

STATEMENT OF WORK

RELOCATE AND UPGRADE MATV HEADEND:

- 1. UPGRADE AND RELOCATE THE EXISTING ANALOG MATV HEAD-END EQUIPMENT CURRENTLY LOCATED IN ROOM CG43B - GROUND FLOOR. EXISTING HEAD-END EQUIPMENT WILL BE REPLACED WITH DIGITAL EQUIPMENT AND RELOCATED TO ROOM C905, 9TH FLOOR.
- 2. REMOVE AND RELOCATE EXISTING VA OWNED MATV EQUIPMENT. EXISTING VA OWNED EQUIPMENT SHALL BE INSTALLED IN NEW MATV HEAD-END EQUIPMENT RACKS LOCATED ON 9TH FLOOR, ROOM C905.
- 3. MODIFY EXISTING MATV DISTRIBUTION CABLING AS REQUIRED FOR RECONNECTION TO NEW MATV HEAD-END EQUIPMENT. PROVIDE NEW DISTRIBUTION CABLING IN VARIOUS AREAS.
- 4. CUT AND PATCH EXISTING CEILINGS AND FLOORS TO ACCOMMODATE HORIZONTAL ROUTING OF PIPING, CONDUIT, AND CABLING. RELOCATE AND/OR TEMPORARILY SUPPORT ALL CEILING DEVICES AS REQUIRED.
- 5. PROVIDE HVAC UPGRADES TO NEW MATV HEAD-END EQUIPMENT ROOM C905.
- 6. PROVIDE ELECTRICAL UPGRADES TO NEW MATV HEAD-END EQUIPMENT ROOM (ROOM C905) LOCATED ON 9TH FLOOR.

PHASING NOTES:

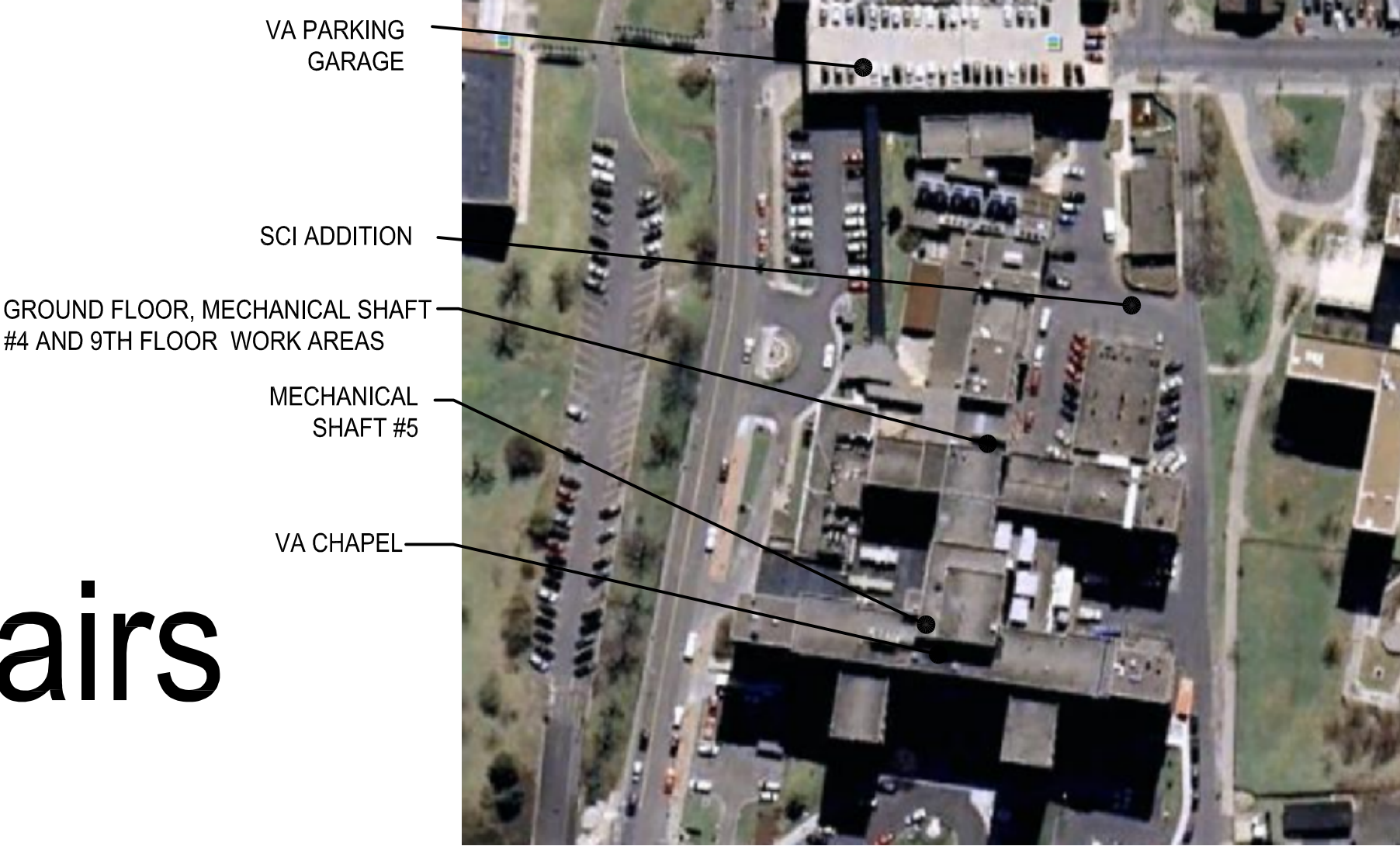
- 1. INTENT IS TO INSTALL NEW EQUIPMENT WHILE EXISTING REMAINS IN SERVICE. SYSTEM CHANGEOVER MUST OCCUR ONLY ON WEEKEND OR AFTER 5PM MONDAY THROUGH FRIDAY DEPENDING ON TIME REQUIRED TO MAKE CHANGEOVER. COORDINATE WITH VA COR PRIOR TO COMMENCING ANY WORK.
- 2. CABLING REMOVALS FROM THE GROUND FLOOR CORRIDOR MUST OCCUR ON WEEKENDS OR AFTER 5PM MONDAY THRU FRIDAY.



Department of Veterans Affairs  
800 Irving Avenue  
Syracuse, NY 13210

PROJECT NO. 528A7-11-707

RELOCATE AND UPGRADE  
MATV HEADEND



LOCATION PLAN  
SCALE: NTS  
NORTH

INDEX

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GENERAL NOTES:

1. THE BUILDING WILL REMAIN OCCUPIED AND OPERATIONAL 24 HOURS PER DAY, 7 DAYS PER WEEK, FOR THE DURATION OF PROJECT.

2. ALL NOISE GENERATING WORK (CUTTING, DRILLING, HAMMERING, ETC.) SHALL BE COORDINATED WITH VA COR PRIOR TO COMMENCING WORK.

3. ALL SPACES, STAIRWAYS, CORRIDORS AND ELEVATORS SHALL BE TEMPORARILY PROTECTED WHEN USED FOR THE TRANSPORTATION OF MATERIALS INTO OR OUT OF THE WORK AREAS. PROVIDE PLASTIC SHEATHING, PROTECTIVE FLOOR COVERINGS, SIGNAGE AND BARRIERS AS REQUIRED TO PROTECT THE EXISTING BUILDING ELEMENTS AS WELL AS THE PATIENTS, VISITORS AND HOSPITAL STAFF.
4. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT AND OBTAIN APPROVAL FOR A PLAN THAT INDICATES ROUTING OF EQUIPMENT THROUGH THE BUILDING AND DETAILS PROTECTIVE MEASURES TO BE TAKEN.

5. SAFETY PLAN TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY VA SAFETY OFFICER PRIOR TO ANY ROOF WORK.

6. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES IN EACH SPACE WITH THE COR WITH AT LEAST 10 DAYS IN ADVANCE OF WORK.

7. CONTRACTORS ARE STRONGLY ENCOURAGED TO BECOME FAMILIAR WITH THE SPECIFIC WORK AREAS PRIOR TO BIDDING IN ORDER TO ACCOUNT FOR RIGGING, STAGING AND SITE-ACCESS RESTRICTIONS.
8. COORDINATE ALL STORAGE, STAGING AND SITE ACCESS WITH THE CONTRACTING OFFICER PRIOR TO CONSTRUCTION.

9. WHERE DUST PRODUCING WORK IS PERFORMED, ALL SURFACES WITHIN SAID SPACE SHALL BE COVERED BY 4 MIL PLASTIC, SURROUNDING SPACES SHALL BE ISOLATED BY TEMPORARY PLASTIC CURTAINS AND HEPA FILTERED NEGATIVE AIR WITHIN WORKING SPACE SHALL BE UTILIZED.

10. REFER TO DRAWINGS AND SPECIFICATIONS FOR DETAILS OF ALL SCOPE ITEMS.

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

**IPD: Engineering**  
INTEGRATED PROJECT DELIVERY  
ONE WEBSTER'S LANDING  
SYRACUSE, NEW YORK 13202  
315.423.0185  
IPD PROJECT No: 12-7260-8

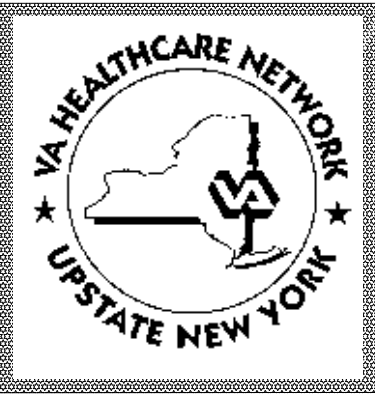


Drawing Title  
COVER SHEET  
Approved: Project Director

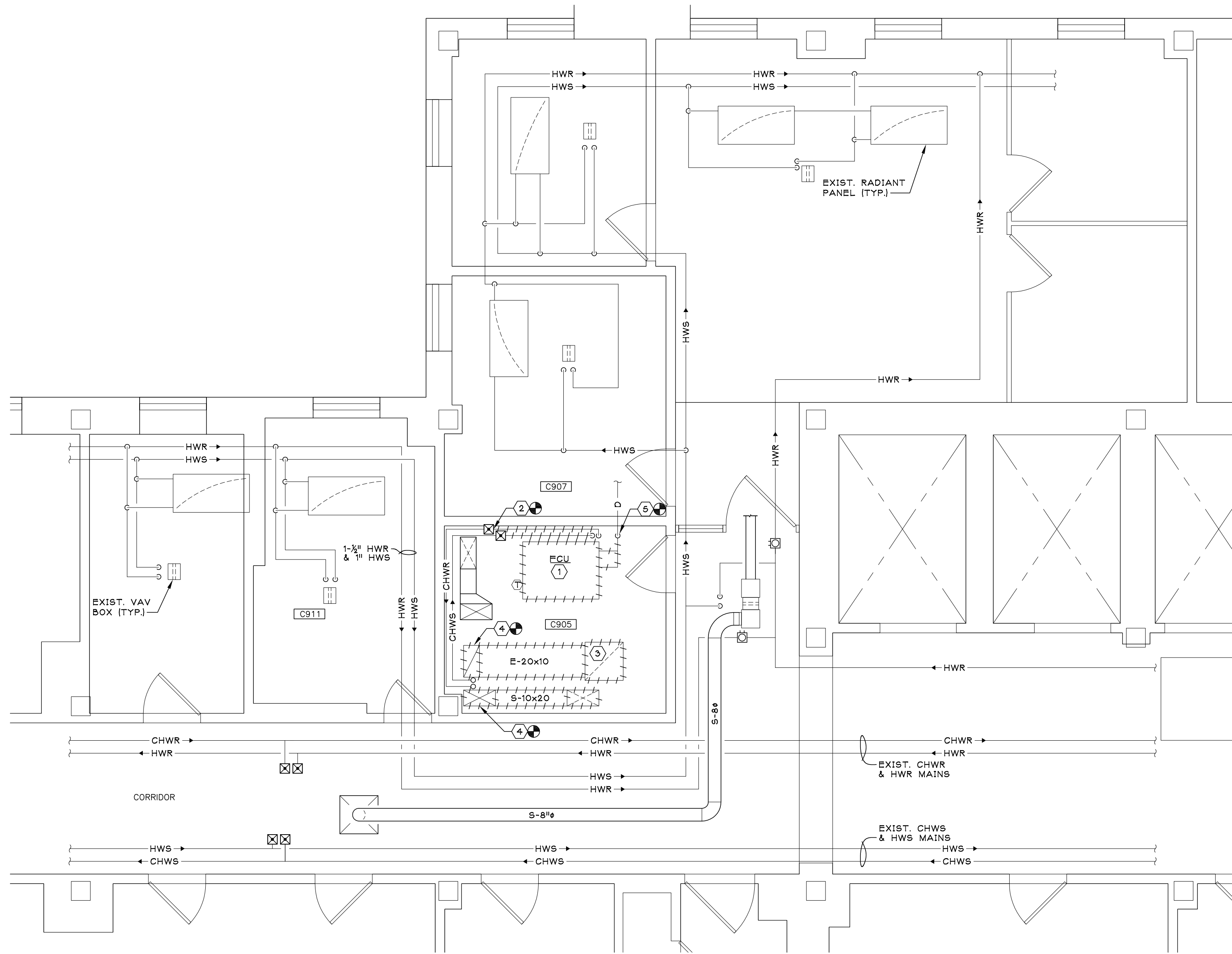
Project Title  
RELOCATE AND UPGRADE  
MATV HEADEND

Location  
SYRACUSE VAMC  
Date  
11/08/2012  
Checked  
SBG  
Drawn  
CAL

Project Number  
528A7-11-707  
Building Number  
1  
Drawing Number  
**GI-001**  
DWG 1 OF 14





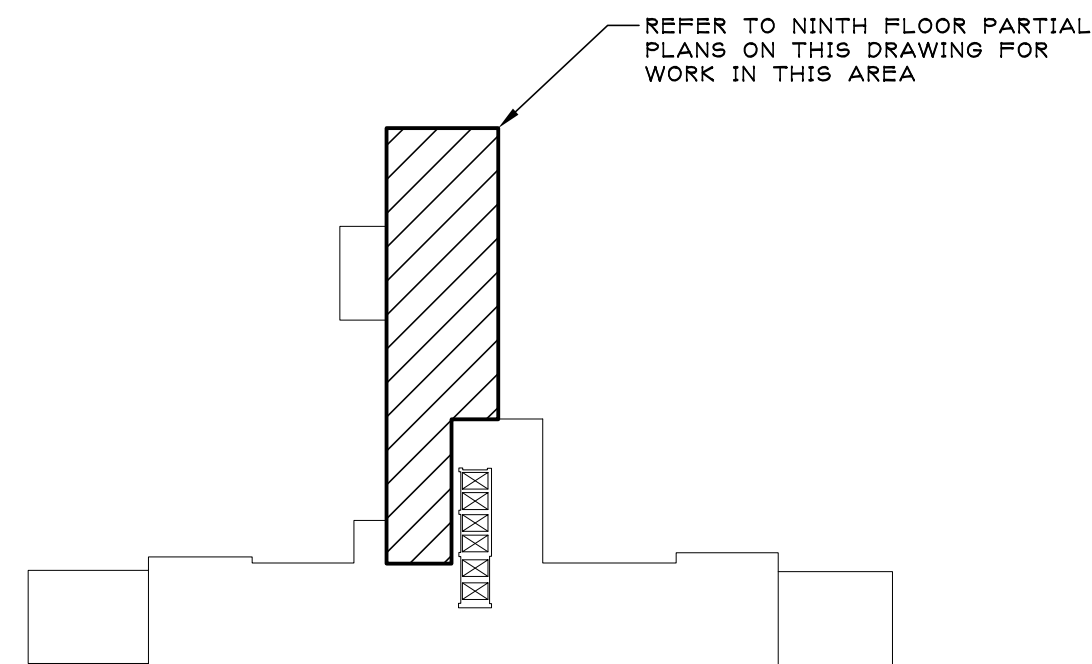


**NINTH FLOOR PARTIAL PLAN -  
MECHANICAL DEMOLITION**  
SCALE: 1/4" = 1'-0"  
NORTH

- GENERAL NOTES:**
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
  - CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
  - ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
  - PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE ALL TRADES OF THIS CONTRACT AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
  - PROTECT ALL EXISTING AND NEW BUILDING ELEMENTS FROM DAMAGE. CONTRACTOR SHALL RESTORE ALL DAMAGED ELEMENTS TO ORIGINAL OR BETTER CONDITION.
  - WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
  - MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
  - CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO ISOLATING, SHUTTING DOWN, DRAINING, FILLING AND TESTING SYSTEMS TO ALLOW FOR COMPLETION OF WORK. INTERRUPTIONS TO EXISTING SERVICES AND SYSTEMS SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AND DURATION APPROVED BY THE OWNER AND UTILITY AS APPLICABLE. INCLUDE ALL PREMIUM TIME ASSOCIATED WITH INTERRUPTIONS. ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER, UTILITY AND COORDINATED WITH OTHER TRADE WORK.
  - ALL EQUIPMENT PIPING, WIRING, INSULATION ETC. INSTALLED IN HVAC AIR PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
  - SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS AND FLOORS WITH UL RATED MATERIALS/METHODS EQUIVALENT TO FIRE RATING OF ASSEMBLY.
  - PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS/DOORS SHALL BE A MINIMUM OF 12"x12", UNLESS OTHERWISE NOTED.
  - DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS. ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR FROM CEILING SUSPENSION SYSTEM WHICH HAS BEEN REINFORCED. SUPPORTS SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.

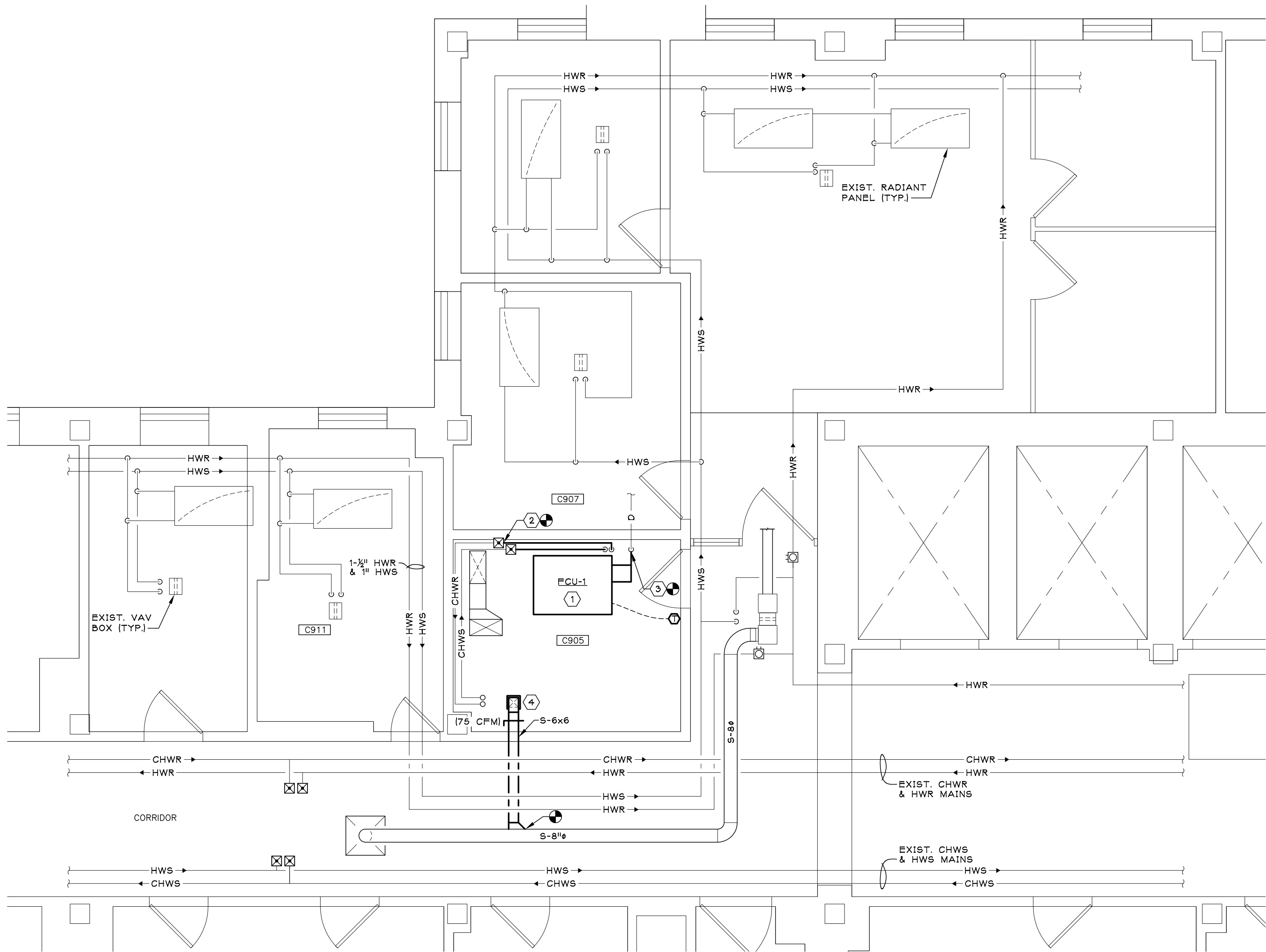
- HVAC LEGEND & ABBREVIATIONS**
- LIMIT OF REMOVAL
  - CONNECTION POINT NEW TO EXISTING
  - EXISTING PIPING OR EQUIPMENT
  - +++ PIPING OR EQUIPMENT TO BE REMOVED
  - NEW PIPING OR EQUIPMENT
  - HWS- HOT WATER SUPPLY PIPING (HEATING)
  - HWR- HOT WATER RETURN PIPING (HEATING)
  - CHWS- CHILLED WATER SUPPLY PIPING
  - CHWR- CHILLED WATER RETURN PIPING
  - CONDENSATE DRAIN
  - PIPE RISE
  - PIPE DROP
  - DIRECTION OF FLOW (LIQUID)
  - ⊕ TEMPERATURE SENSOR
  - ⊕ MANUAL AIR VENT
  - ⊕ UNION
  - ⊕ BALL VALVE
  - ⊕ TWO-WAY CONTROL VALVE
  - ⊕ BALANCING VALVE
  - ⊕ VOLUME DAMPER
  - ABOVE FINISHED FLOOR
  - EXIST EXISTING
  - FCU FAN COIL UNIT
  - TYP TYPICAL

- KEYED NOTES:**
- REMOVE EXISTING FAN COIL INCLUDING ALL ASSOCIATED SUPPORTS, CONTROLS AND APPURTENANCES.
  - REMOVE EXISTING 3/4" CHWS & CHWR BACK TO EXTENT SHOWN AND PREPARE FOR CONNECTION TO NEW.
  - REMOVE EXISTING EXHAUST FAN INCLUDING ALL ASSOCIATED SUPPORTS, CONTROLS AND APPURTENANCES.
  - REMOVE EXISTING 20x10 DUCTWORK BACK TO 10TH FLOOR MECHANICAL ROOM. PATCH AND REPAIR REMAINING EXTERIOR WALL PENETRATIONS TO MATCH ADJACENT FINISH AND CONSTRUCTION.
  - REMOVE EXISTING SECONDARY DRAIN PAN AND ALL CONDENSATE PIPING BACK TO EXTENT SHOWN AND PREPARE REMAINING DRAIN PIPING FOR CONNECTION TO NEW.



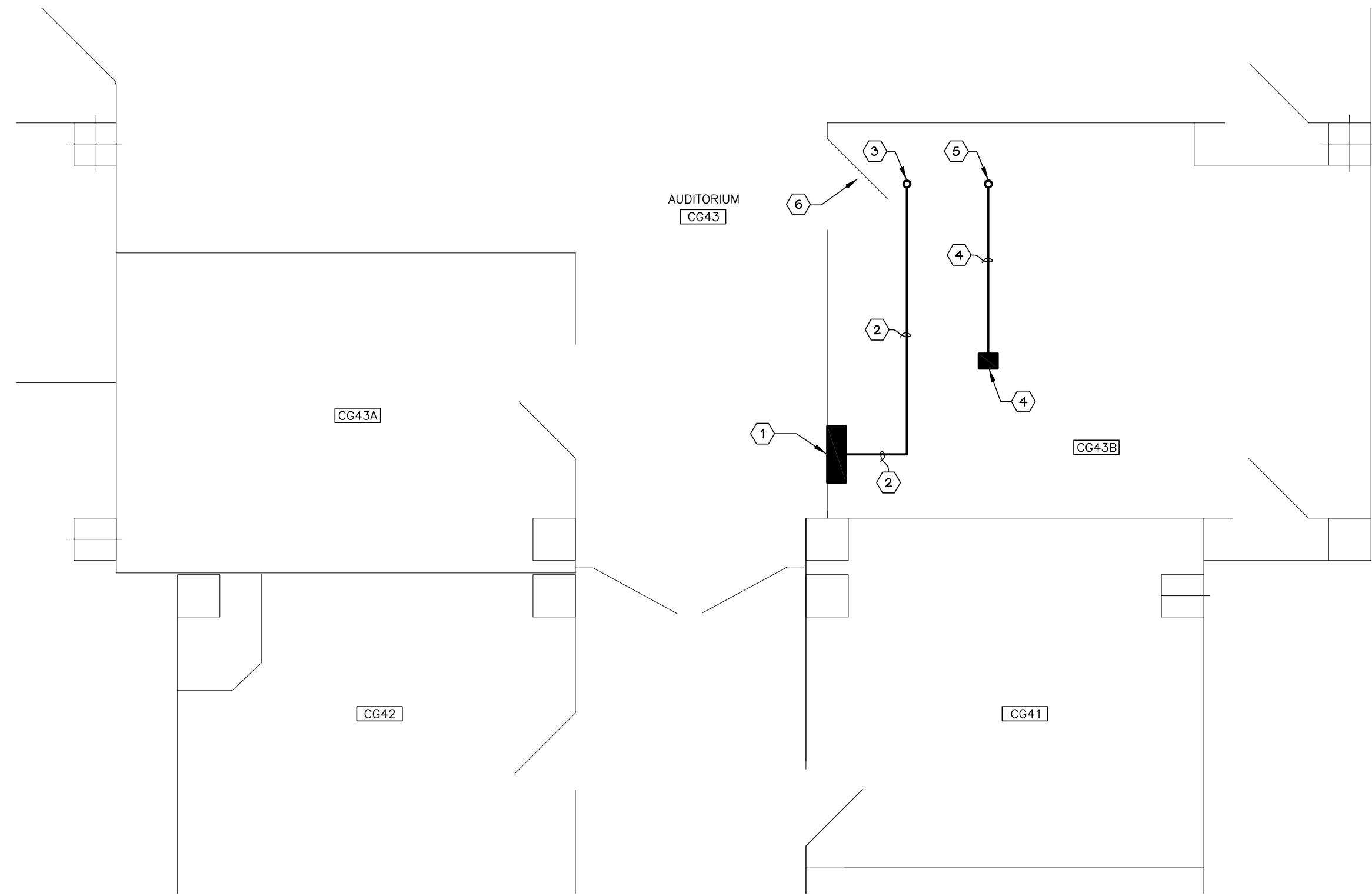
**NINTH FLOOR KEY PLAN**  
SCALE: NONE  
NORTH

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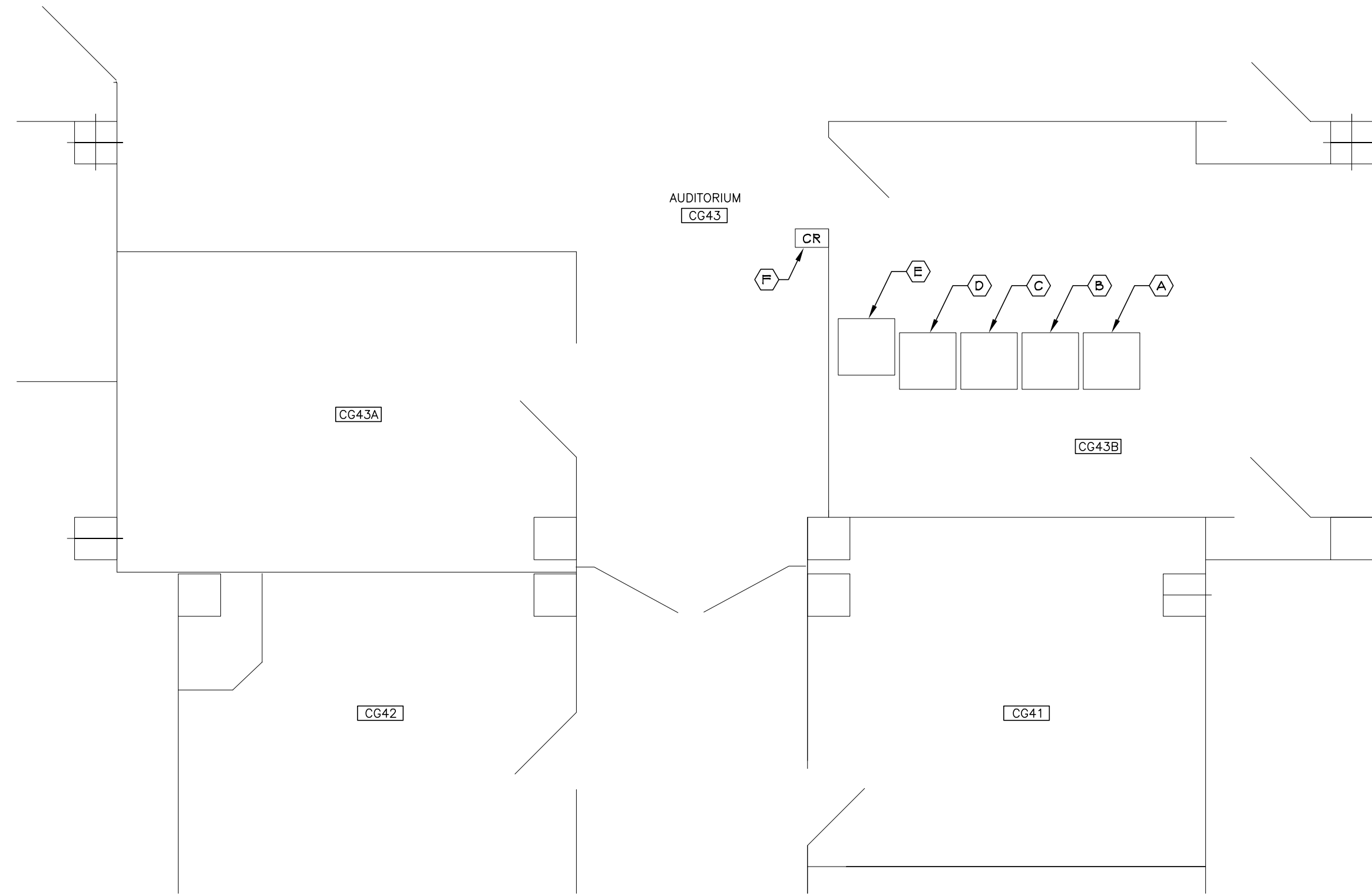






2  
ES-101  
**GROUND FLOOR PARTIAL PLAN -  
MATV SYSTEM RENOVATION**  
SCALE: 1/4" = 1'-0"  
NORTH

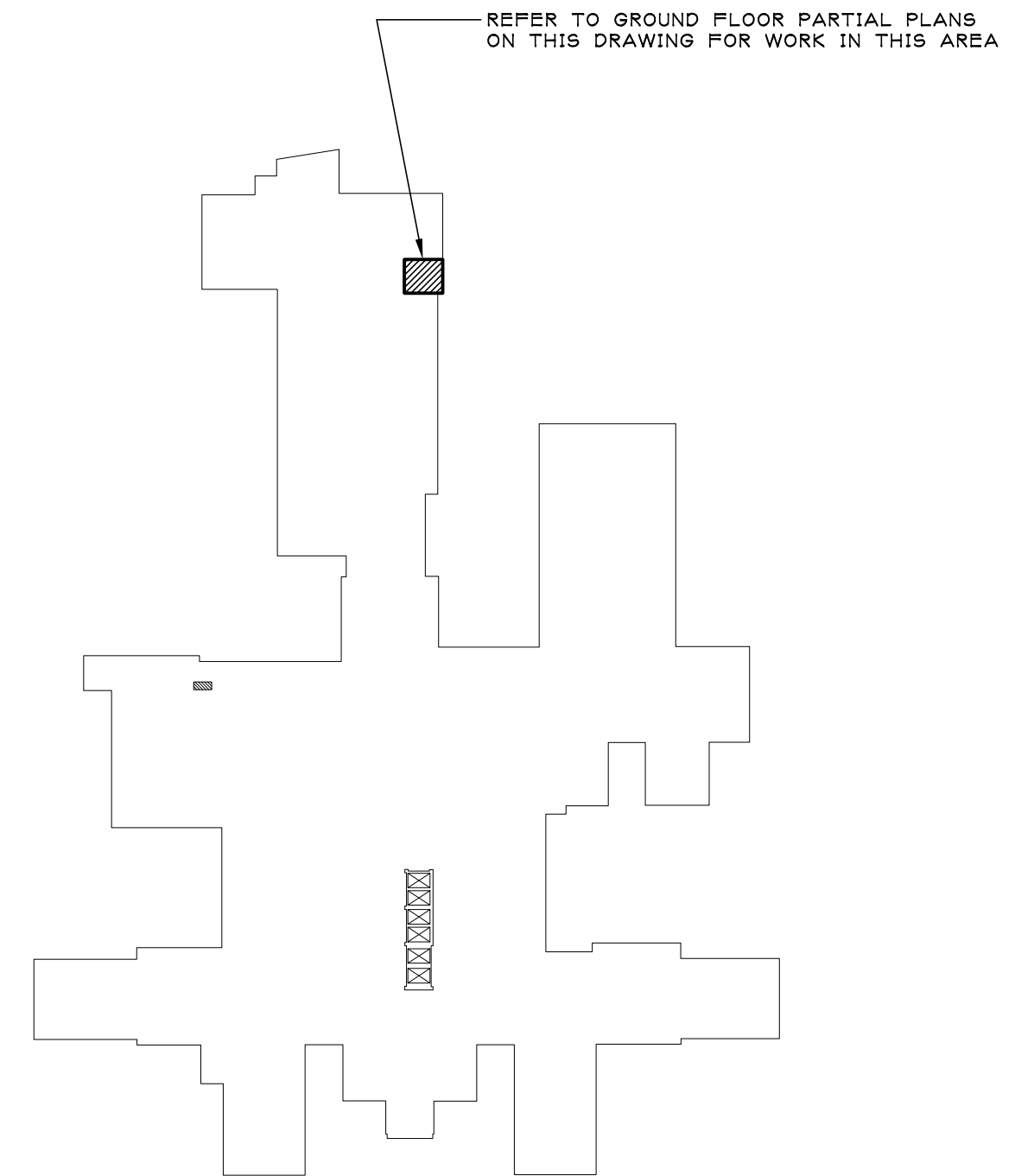
- KEYED RENOVATION NOTES (FOR THIS DRAWING ONLY):
1. PROVIDE FOUR WAY SPLITTER FOR SCI BUILDING MATV CABLE DISTRIBUTION. MOUNT SPLITTER ABOVE ROOM CG43B ACCESSIBLE CEILING. RECONNECT EXISTING RG-6 CABLES (FOUR RG-6 CABLES) TO SPLITTER AS REQUIRED. TO MAINTAIN DRAWING CLARITY, EXISTING RG-6 CABLES HAS NOT BEEN SHOWN. REFER TO DRAWING ES-503 FOR ADDITIONAL INFORMATION.
  2. PROVIDE RG-11 COAXIAL CABLES FOR SCI BUILDING CABLE DISTRIBUTION. COORDINATE CABLES TERMINATION (ROOM CG43B) WITH VA COR. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - SCI BUILDING (RENOVATION) FOR ADDITIONAL INFORMATION.
  3. PROVIDE RG-11 COAXIAL CABLES UP TO MATV SYSTEM HEAD-END EQUIPMENT LOCATED ON NINTH FLOOR. UTILIZE EXISTING MECHANICAL SHAFT #4 FOR ROUTING OF CABLES UP TO 9TH FLOOR. REFER TO DRAWING ES-103 FOR CONTINUATION OF CABLES. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - SCI BUILDING (RENOVATION) FOR ADDITIONAL INFORMATION.
  4. MODIFY EXISTING VA CHAPEL CCTV SYSTEM FEED (CABLES) AS REQUIRED FOR EXTENSION TO MATV HEAD-END EQUIPMENT LOCATED ON 9TH FLOOR. PROVIDE NECESSARY JUNCTION BOXES, RACEWAYS, WIRING, CONNECTORS, ETC. AS REQUIRED TO EXTEND CABLES TO 9TH FLOOR. COORDINATE WORK WITH VA COR. PROVIDE WIRING IN ACCORDANCE WITH VA CHAPEL CCTV SYSTEM MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.
  5. PROVIDE CABLES UP TO MATV SYSTEM HEAD-END EQUIPMENT LOCATED ON NINTH FLOOR. UTILIZE EXISTING MECHANICAL SHAFT #4 FOR ROUTING OF CABLES UP TO 9TH FLOOR. REFER TO DRAWING ES-103 FOR CONTINUATION OF CABLES. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
  6. PROVIDE DOOR LOCKSET, FOR EXISTING DOOR, PER VA STANDARDS. VERIFY EXACT LOCKSET REQUIREMENTS WITH VA COR.





1  
ES-101  
**GROUND FLOOR PARTIAL PLAN -  
ELECTRICAL DEMOLITION**  
SCALE: 1/4" = 1'-0"  
NORTH

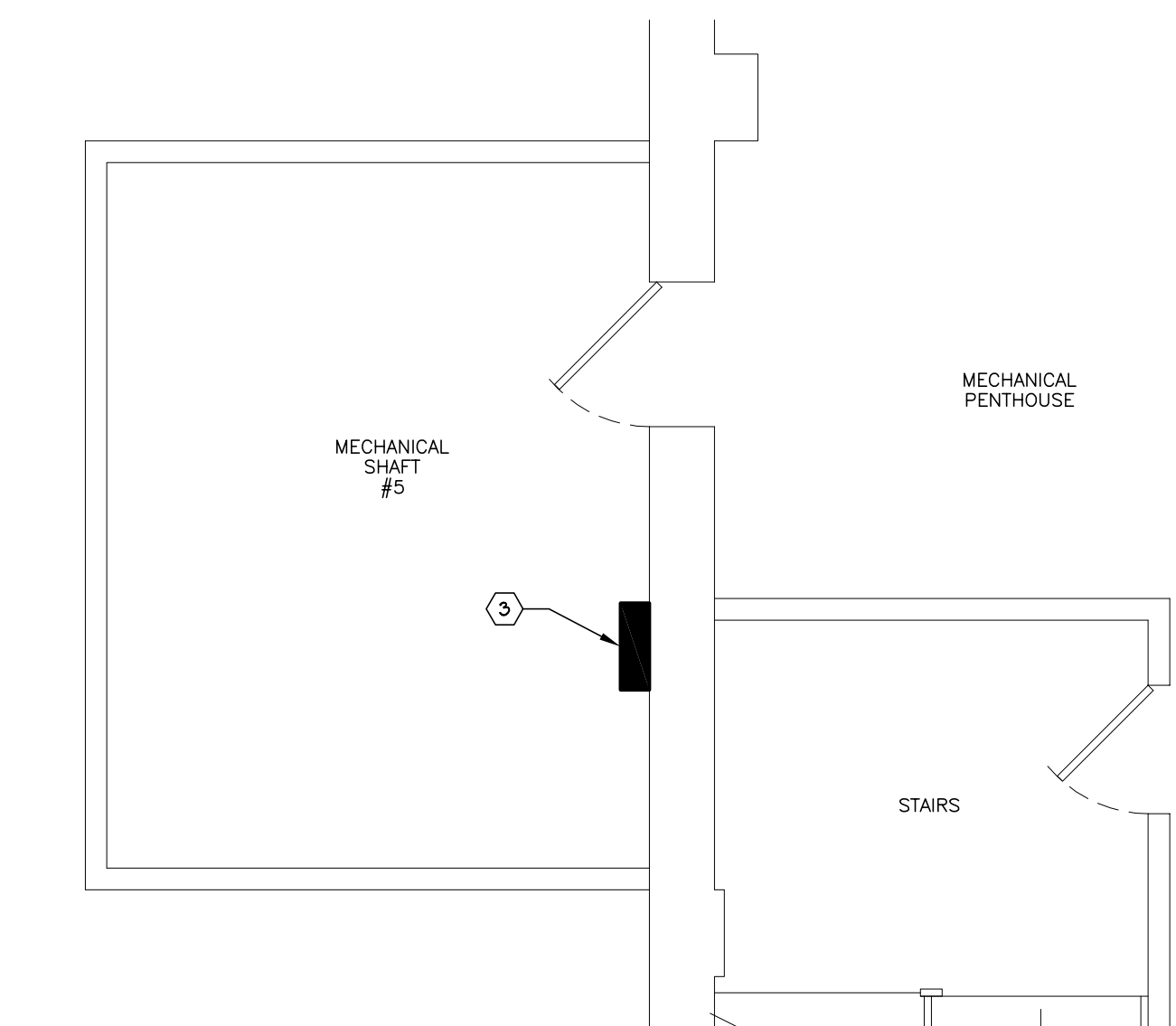
- EXISTING MATV SYSTEM HEAD-END EQUIPMENT NOTES:
- A. THE FOLLOWING EXISTING MATV SYSTEM HEADEND EQUIPMENT SHALL BE REMOVED FROM EXISTING RACKS #2, #3 & #4 AND RETAINED FOR REINSTALLATION: FOURTEEN (14) DISH NETWORK SATELLITE RECEIVERS (THESE RECEIVERS ARE USE FOR THE DISH NETWORK CHANNELS), THREE (3) SCIENTIFIC ATLANTIC POWER VU SATELLITE RECEIVERS (THESE RECEIVERS ARE USE FOR THE VA EDUCATIONAL NETWORK CHANNELS), ONE (1) CISCO SERVER, ONE (1) LANDSCAPE NETWORK SWITCH (SICOR), ONE (1) ELIMINATION FILTER (PICO MACOM), ONE (1) FIXED CHANNEL MODULATOR (DRACOM), ONE (1) BROADCAST VIDEO SERVER (HEALING HEALTHCARE SYSTEM), AND SATELLITE MULTI-SWITCHES (DISH NETWORK AND VA EDUCATIONAL NETWORK).
  - B. REFER TO DRAWING ES-506 FOR REINSTALLATION REQUIREMENTS REGARDING THE ABOVE EXISTING EQUIPMENT.

- KEYED DEMOLITION NOTES (FOR THIS DRAWING ONLY):
- A. REMOVE EXISTING MATV SYSTEM EQUIPMENT RACK #1.
  - B. REMOVE EXISTING MATV SYSTEM EQUIPMENT RACK #2, EXISTING MATV SYSTEM COMPONENTS AND ASSOCIATED PATCH CABLES. REFER TO EXISTING MATV SYSTEM HEAD-END EQUIPMENT NOTES ON THIS DRAWING FOR ADDITIONAL DEMOLITION INFORMATION. REFER TO DRAWINGS ES-501 & ES-503 FOR ADDITIONAL CABLES DEMOLITION INFORMATION.
  - C. REMOVE EXISTING MATV SYSTEM EQUIPMENT RACK #3, EXISTING MATV SYSTEM COMPONENTS AND ASSOCIATED PATCH CABLES. REFER TO EXISTING MATV SYSTEM HEAD-END EQUIPMENT NOTES ON THIS DRAWING FOR ADDITIONAL DEMOLITION INFORMATION. REFER TO DRAWINGS ES-501 & ES-503 FOR ADDITIONAL CABLES DEMOLITION INFORMATION.
  - D. REMOVE EXISTING MATV SYSTEM EQUIPMENT RACK #4, EXISTING MATV SYSTEM COMPONENTS AND ASSOCIATED PATCH CABLES. REFER TO EXISTING MATV SYSTEM HEAD-END EQUIPMENT NOTES ON THIS DRAWING FOR ADDITIONAL DEMOLITION INFORMATION. REFER TO DRAWINGS ES-501 & ES-503 FOR ADDITIONAL CABLES DEMOLITION INFORMATION.
  - E. REMOVE EXISTING MATV SYSTEM EQUIPMENT RACK #5.
  - F. REMOVE EXISTING CARD READER AND RETAIN FOR REINSTALLATION. REMOVE EXISTING DOOR HARDWARE ASSOCIATED WITH DOOR ACCESS CONTROL SYSTEM COMPONENTS (POWER SUPPLY, ELECTRIC STRIKE, REQUEST-TO-EXIT DEVICES, CONTACTS, ETC.).

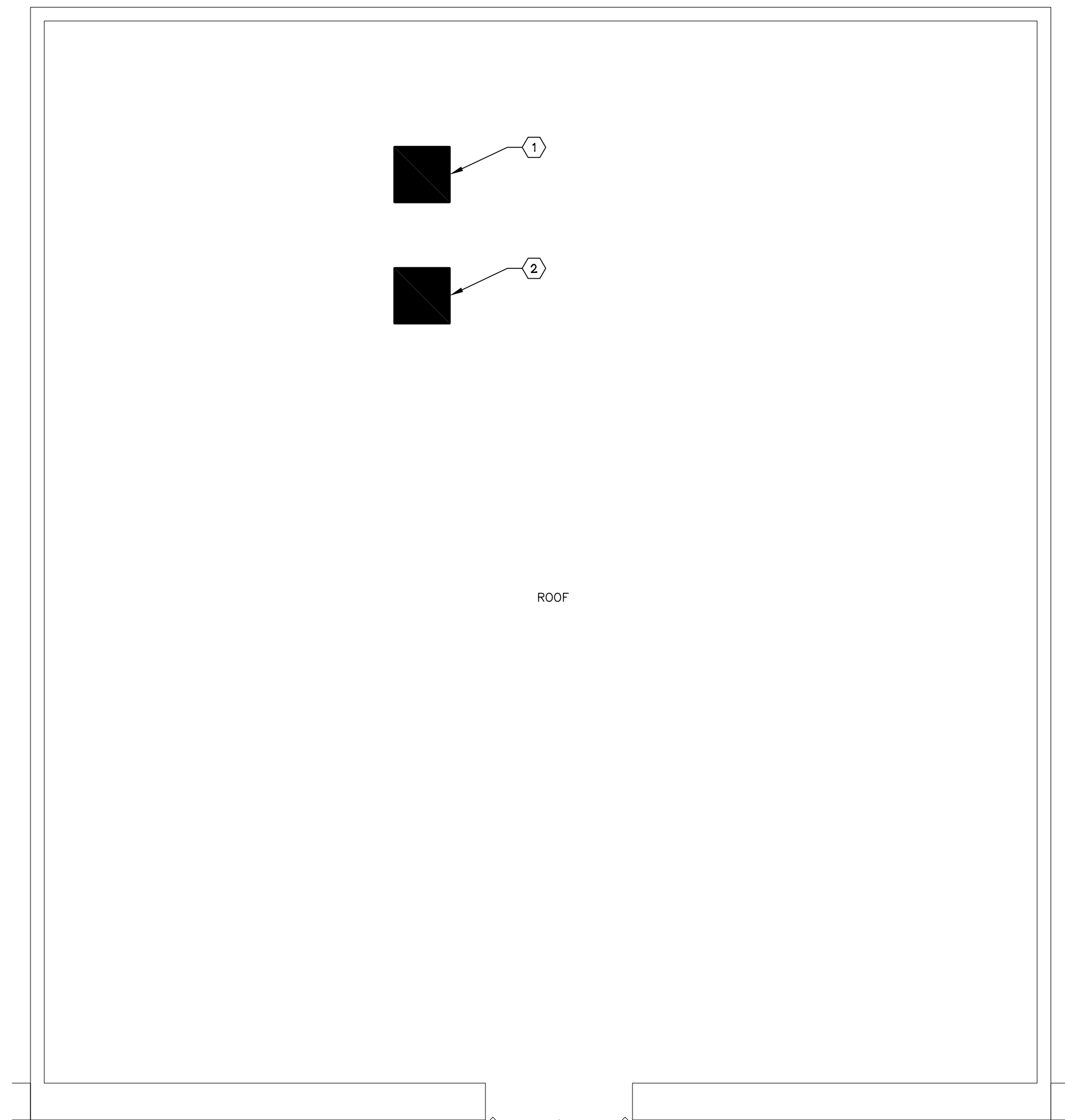


**GROUND FLOOR KEY PLAN**  
SCALE: NONE  
NORTH

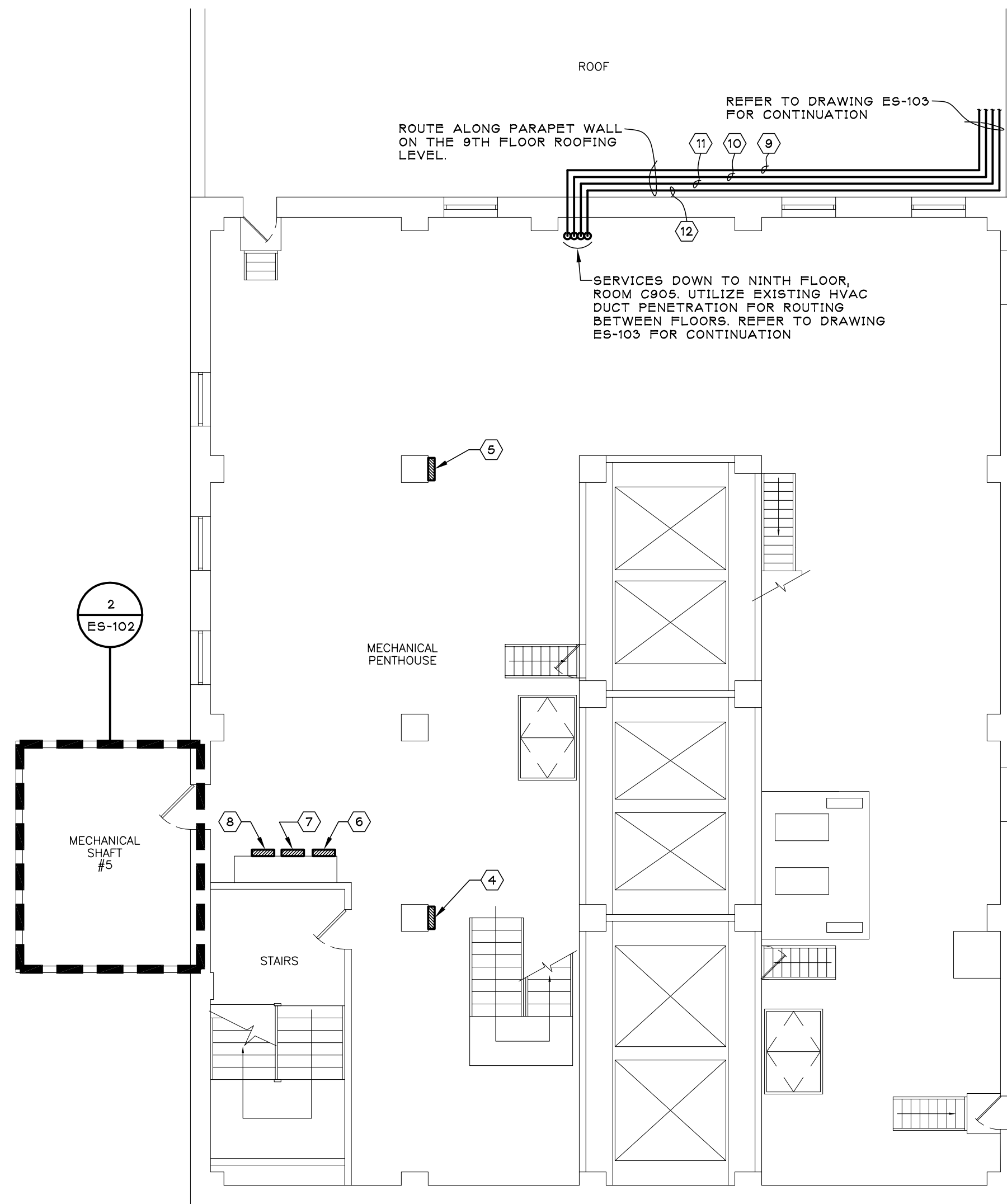
		<b>CONSULTANTS:</b>		<b>ARCHITECT/ENGINEERS:</b>	<div><b>IPD: Engineering</b> INTEGRATED PROJECT DELIVERY ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185  IPD PROJECT No: 12-7260-8</div>	<div><div></div><div>Approved: Project Director</div></div>	Drawing Title		Project Title		Project Number		<div></div>										
							GROUND FLOOR ELECTRICAL PLANS		RELOCATE AND UPGRADE MATV HEADEND		528A7-11-707			Building Number									
											1			Drawing Number									
														ES-101									
														DWG 5 OF 14									
Revisions:		Date						Location		SYRACUSE VAMC		Date		11/08/2012		Checked		SBG		Drawn		CAL	



2  
ES-102  
**TENTH FLOOR PLAN - ELECTRICAL**  
SCALE: 1/4" = 1'-0"  
NORTH



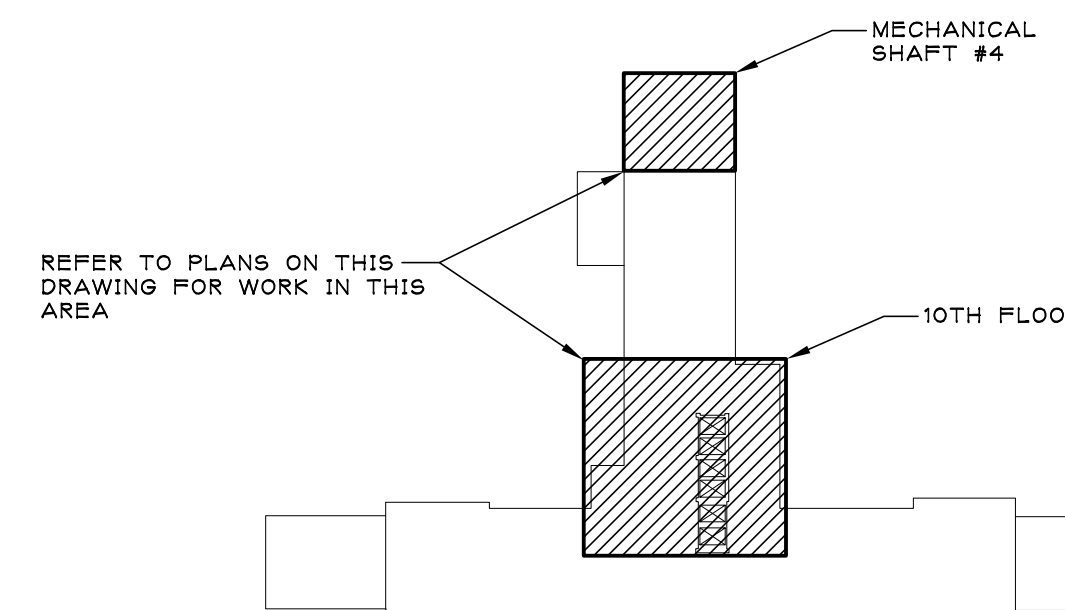
3  
ES-102  
**MECH. SHAFT #4 ROOF PLAN - ELECTRICAL**  
SCALE: 1/4" = 1'-0"  
NORTH



1  
ES-102  
**TENTH FLOOR PLAN - ELECTRICAL**  
SCALE: 1/8" = 1'-0"  
NORTH

KEYED RENOVATION NOTES (FOR THIS DRAWING ONLY)

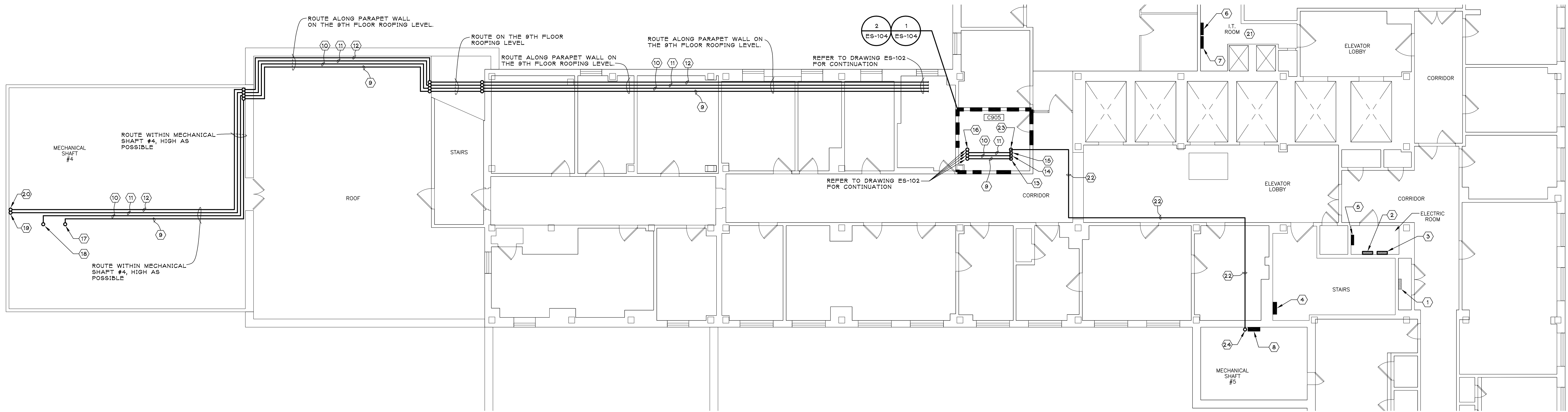
- EXISTING VA EDUCATIONAL NETWORK SATELLITE. REFER TO EXISTING MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR CABLING DEMOLITION WORK ASSOCIATED WITH EXISTING SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR CABLING RENOVATION WORK ASSOCIATED WITH EXISTING SATELLITE.
- EXISTING DISH NETWORK SATELLITE. REFER TO EXISTING MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR CABLING DEMOLITION WORK ASSOCIATED WITH EXISTING SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR CABLING RENOVATION WORK ASSOCIATED WITH EXISTING SATELLITE.
- EXISTING 10TH FLOOR MATV SYSTEM EQUIPMENT (AMPLIFIER, SPLICE BOX, DIRECTIONAL COUPLERS, ETC). REFER TO EXISTING MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR CABLING DEMOLITION WORK ASSOCIATED WITH EXISTING 10TH FLOOR MATV SYSTEM EQUIPMENT. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR CABLING RENOVATION WORK ASSOCIATED WITH EXISTING 10TH FLOOR MATV SYSTEM EQUIPMENT.
- EXISTING PANELBOARD '10C-A' REMAINS.
- EXISTING PANELBOARD '10C-A' REMAINS.
- EXISTING CRITICAL EMERGENCY PANELBOARD 'E10A-AC (SECTION 1)' REMAINS.
- EXISTING CRITICAL EMERGENCY PANELBOARD 'E10A-AC (SECTION 2)' REMAINS.
- EXISTING PANELBOARD '10A-AC' REMAINS.
- PROVIDE SATELLITE SIGNAL CABLING FOR EXISTING DISH NETWORK SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE SATELLITE SIGNAL CABLING FOR EXISTING VA EDUCATIONAL NETWORK SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE CABLING FOR SCI BUILDING MATV COMPONENTS. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - SCI BUILDING (RENOVATION) FOR ADDITIONAL INFORMATION.
- PROVIDE CABLING FOR VA CHAPEL EXISTING CCTV SYSTEM. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.



**TENTH FLOOR KEY PLAN**  
SCALE: NONE  
NORTH

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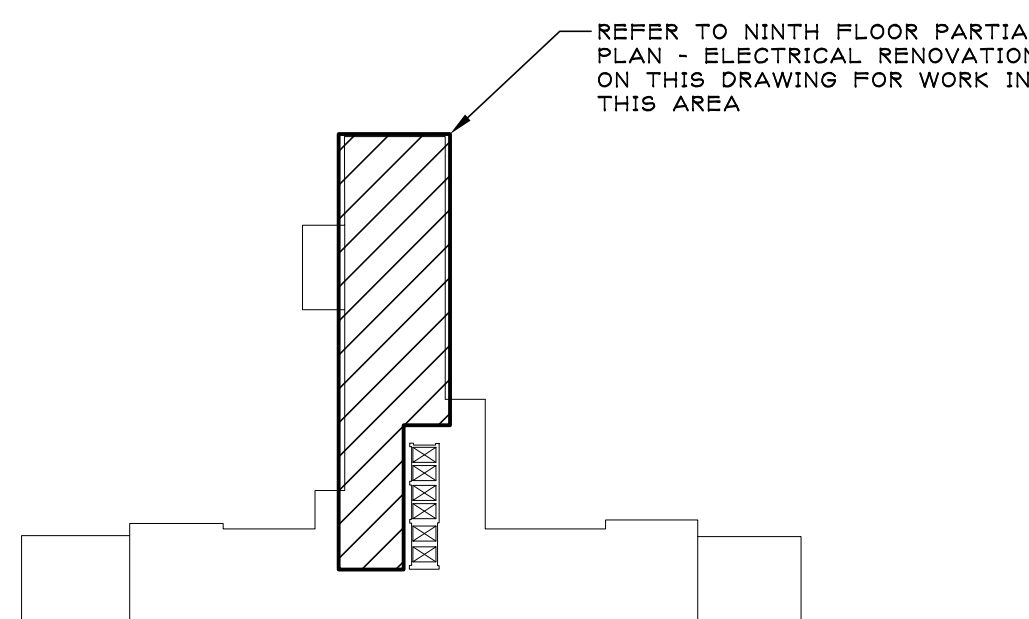




1  
ES-103  
NINTH FLOOR PARTIAL PLAN - ELECTRICAL RENOVATION  
SCALE: 1/8" = 1'-0"  
NORTH

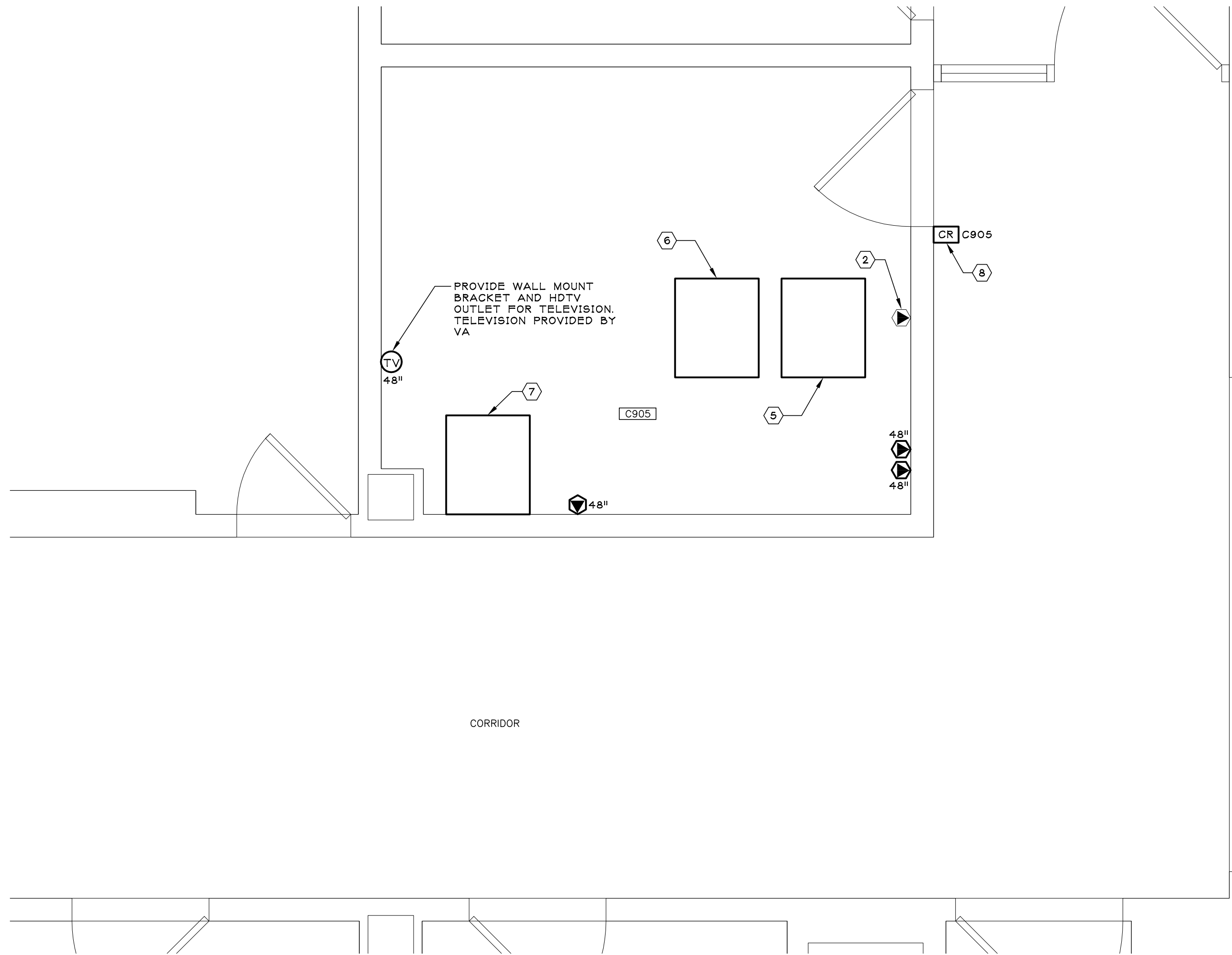
KEYED NOTES (FOR THIS DRAWING ONLY)

- EXISTING PANELBOARD '9AA' REMAINS. SHOWN FOR REFERENCE ONLY.
- EXISTING PANELBOARD '9AB' REMAINS. PROVIDE QUANTITIES OF 20A/1P CIRCUIT BREAKERS IN PANELBOARD AS REQUIRED TO FULFILL PROJECT REQUIREMENTS.
- EXISTING CRITICAL EMERGENCY PANELBOARD '9AAA' REMAINS. PROVIDE QUANTITIES OF 20A/1P CIRCUIT BREAKERS IN EMERGENCY PANELBOARD AS REQUIRED TO FULFILL PROJECT REQUIREMENTS.
- EXISTING 9TH FLOOR 'EST' FIRE ALARM PANEL REMAINS. SHOWN FOR REFERENCE ONLY.
- EXISTING 9TH FLOOR DOOR ACCESS CONTROL PANEL.
- EXISTING 9TH FLOOR INTERMEDIATE DATA DISTRIBUTION FRAME.
- EXISTING 9TH FLOOR INTERMEDIATE TELEPHONE DISTRIBUTION FRAME.
- EXISTING 9TH FLOOR MATV SYSTEM DIRECTIONAL COUPLER REMAINS. SHOWN FOR REFERENCE ONLY.
- PROVIDE SATELLITE SIGNAL CABLING FOR EXISTING DISH NETWORK SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE SATELLITE SIGNAL CABLING FOR EXISTING VA EDUCATIONAL NETWORK SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE CABLING FOR SCI BUILDING MATV COMPONENTS. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - SCI BUILDING (RENOVATION) FOR ADDITIONAL INFORMATION.
- PROVIDE CABLING FOR VA CHAPEL EXISTING CCTV SYSTEM. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE DISH NETWORK SATELLITE SIGNAL CABLING TO MATV SYSTEM HEAD-END EQUIPMENT. REFER TO DRAWING ES-104 FOR LOCATION OF HEAD-END EQUIPMENT. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE VA EDUCATIONAL NETWORK SATELLITE SIGNAL CABLING TO MATV SYSTEM HEAD-END EQUIPMENT. REFER TO DRAWING ES-104 FOR LOCATION OF HEAD-END EQUIPMENT. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE SCI BUILDING CABLING TO MATV SYSTEM HEAD-END EQUIPMENT. REFER TO DRAWING ES-104 FOR LOCATION OF HEAD-END EQUIPMENT. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - SCI BUILDING (RENOVATION) FOR ADDITIONAL INFORMATION.
- PROVIDE VA CHAPEL CCTV SYSTEM CABLING TO MATV SYSTEM HEAD-END EQUIPMENT. REFER TO DRAWING ES-104 FOR LOCATION OF HEAD-END EQUIPMENT. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE DISH NETWORK SATELLITE SIGNAL CABLING UP TO EXISTING DISH NETWORK SATELLITE LOCATED ON ROOF (MECHANICAL SHAFT #4). UTILIZE EXISTING MECHANICAL SHAFT #4 FOR ROUTING OF CABLING UP TO ROOF. REFER TO DRAWING ES-102 FOR LOCATION OF EXISTING DISH NETWORK SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE VA EDUCATIONAL NETWORK SATELLITE SIGNAL CABLING UP TO EXISTING VA EDUCATIONAL NETWORK SATELLITE LOCATED ON ROOF (MECHANICAL SHAFT #4). UTILIZE EXISTING MECHANICAL SHAFT #4 FOR ROUTING OF CABLING UP TO ROOF. REFER TO DRAWING ES-102 FOR LOCATION OF EXISTING VA EDUCATIONAL NETWORK SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE SCI BUILDING CABLING DOWN TO GROUND FLOOR (ROOM CG43B). REFER TO DRAWING ES-101 FOR CONTINUATION.
- PROVIDE VA CHAPEL CCTV SYSTEM CABLING DOWN TO GROUND FLOOR (ROOM CG43B). REFER TO DRAWING ES-101 FOR CONTINUATION.
- UTILIZE TELECOMMUNICATION GROUNDING EQUIPMENT WITH I.T. ROOM FOR MATV SYSTEM GROUNDING.
- PROVIDE CABLING FOR BUILDING #1 MATV COMPONENTS. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE BUILDING 1 CABLING TO MATV SYSTEM HEAD-END EQUIPMENT. REFER TO DRAWING ES-104 FOR LOCATION OF HEAD-END EQUIPMENT. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE BUILDING 1 CABLING UP TO EXISTING MATV SYSTEM SPLICE BOX LOCATED ON TENTH FLOOR (MECHANICAL SHAFT #5). REFER TO DRAWING ES-102 FOR LOCATION OF EXISTING SPLICE BOX. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1 FOR ADDITIONAL INFORMATION.



NINTH FLOOR KEY PLAN  
SCALE: NONE  
NORTH

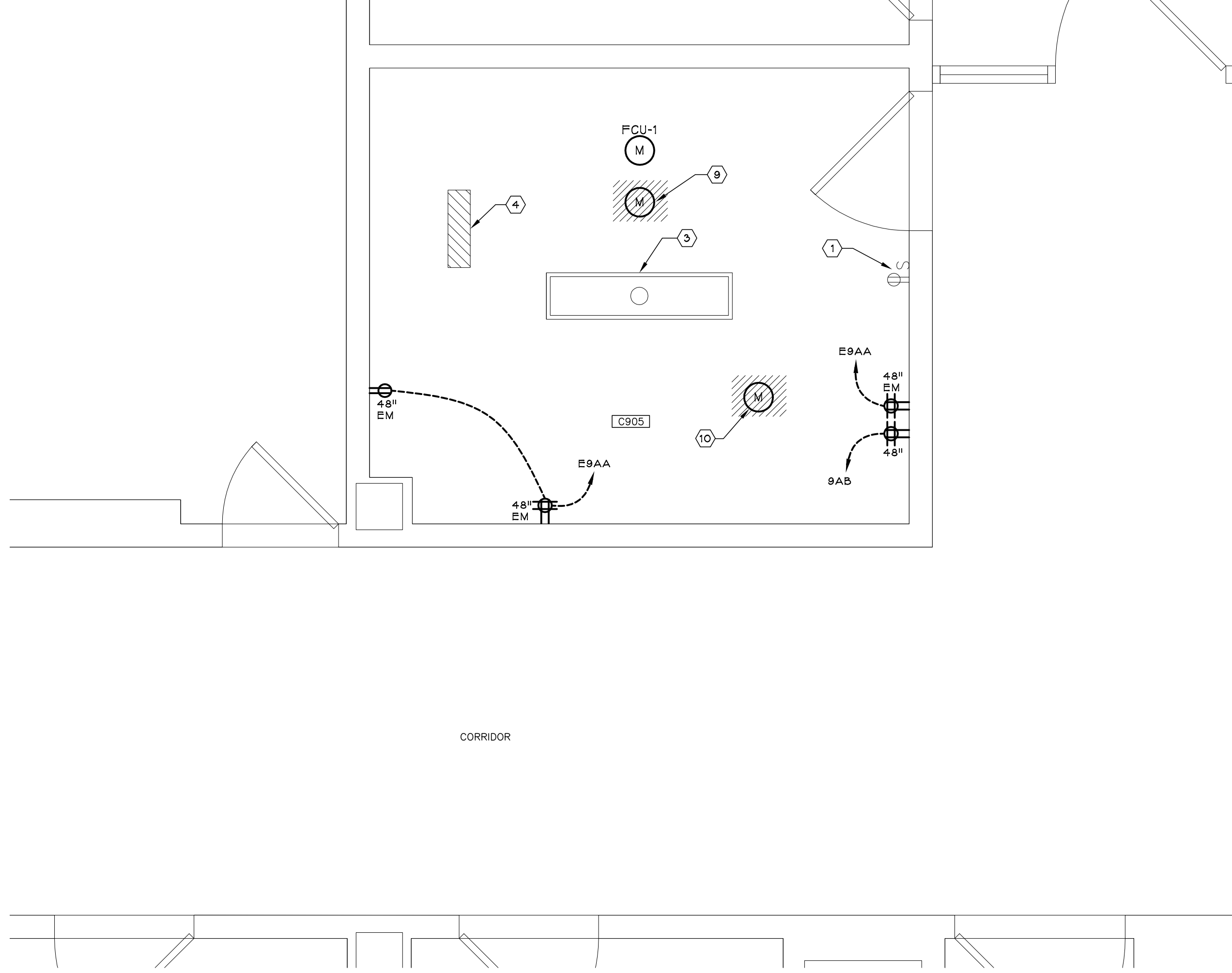
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2  
ES-104  
NINTH FLOOR PARTIAL PLAN - SPECIAL SYSTEMS  
SCALE: 1/2" = 1'-0"  
NORTH

GENERAL NOTE (FOR THIS DRAWING ONLY):

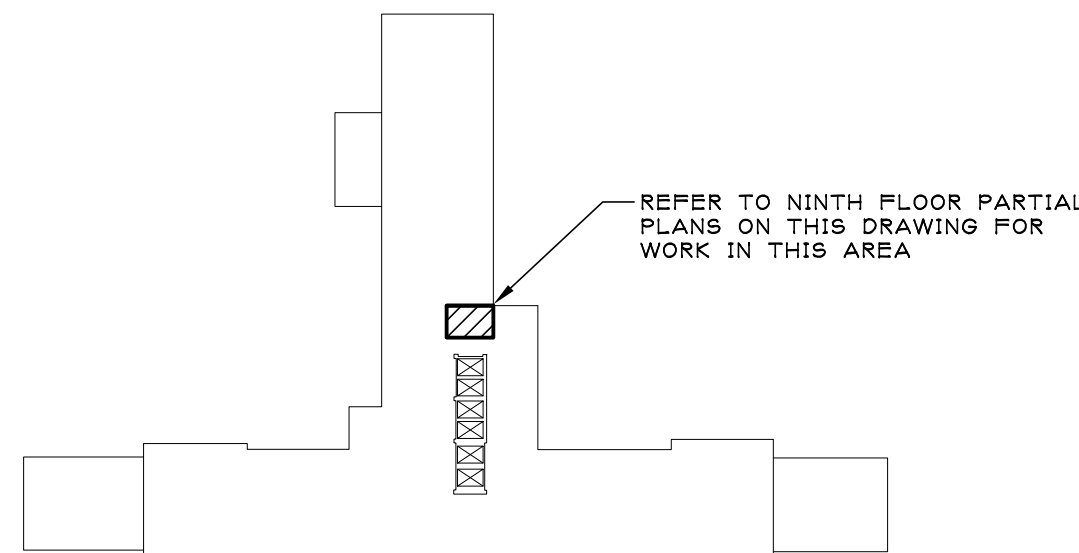
A. REFER TO DRAWING ES-103 FOR LOCATION OF EXISTING TELECOMMUNICATION EQUIPMENT, DOOR ACCESS EQUIPMENT, AND EXISTING PANELBOARDS E9AA & 9AB.



1  
ES-104  
NINTH FLOOR PARTIAL PLAN - LIGHTING AND POWER  
SCALE: 1/2" = 1'-0"  
NORTH

KEYED NOTES (FOR THIS DRAWING ONLY):

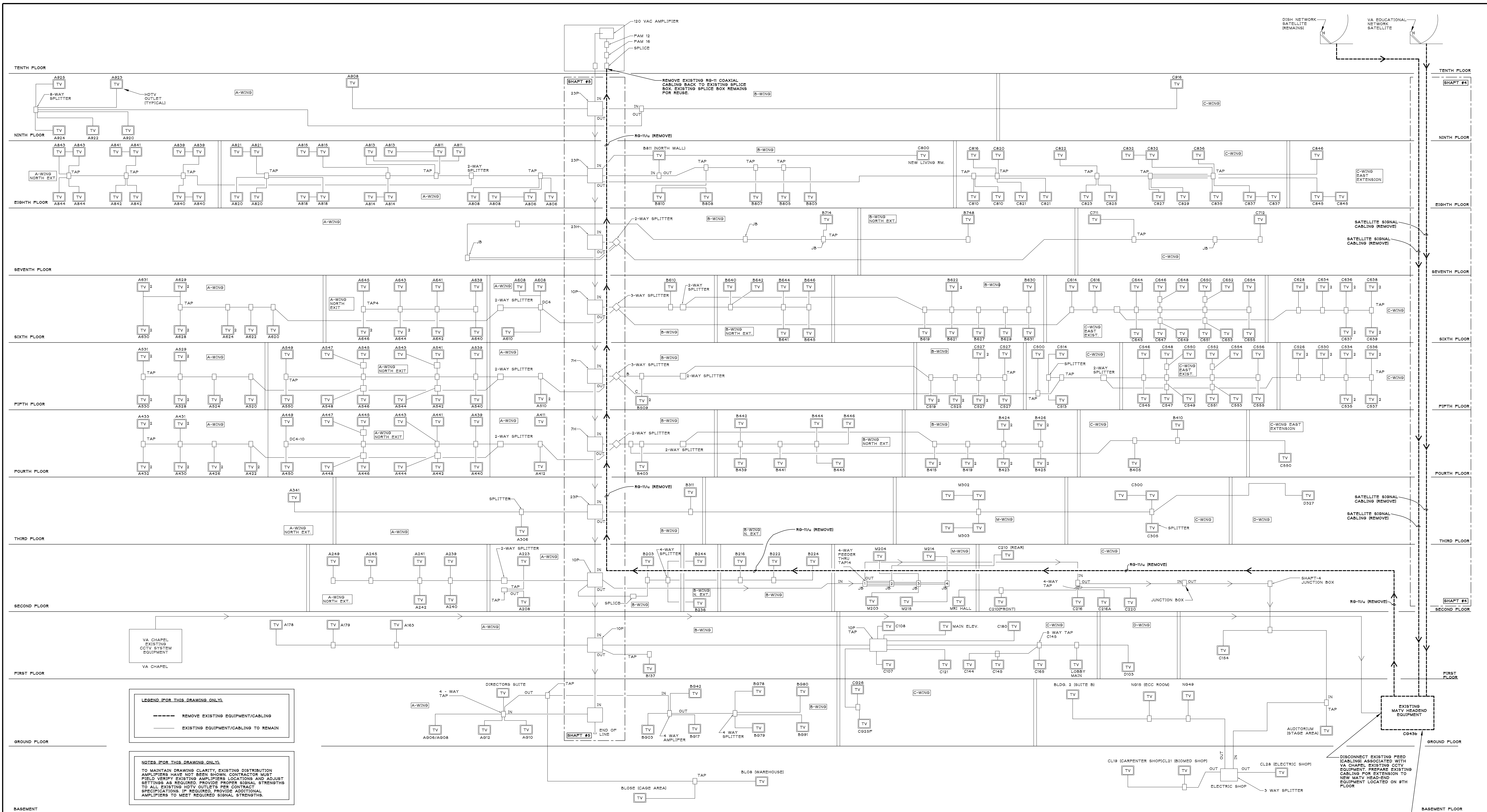
- EXISTING LIGHT SWITCH AND DUPLEX RECPETACLE REMAINS. SHOWN FOR REFERENCE ONLY.
- EXISTING TELECOMMUNICATION OULTET REMAINS. SHOWN FOR REFERENCE ONLY.
- EXISTING LIGHT FIXTURE REMAINS. SHOWN FOR REFERENCE ONLY.
- EXISTING LIFE SAFETY EMERGENCY PANELBOARD 'E9AA-A' REMAINS. SHOWN FOR REFERENCE ONLY.
- PROVIDE FLOOR MOUNTED MATV SYSTEM HEAD-END EQUIPMENT RACK #1 AND ASSOCIATED HEAD-END COMPONENTS. CIRCUIT (2-#12 + #12 GND IN 3/4" C) EQUIPMENT RACK POWER SUPPLY (UPS - EM POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING CRITICAL EMERGENCY PANELBOARD 'E9AA'. CIRCUIT (2-#12 + #12 GND IN 3/4" C) EQUIPMENT RACK POWER SUPPLY (UPS - NORMAL POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING PANELBOARD '9AB'.
- PROVIDE FLOOR MOUNTED MATV SYSTEM HEAD-END EQUIPMENT RACK #2 AND ASSOCIATED HEAD-END COMPONENTS. CIRCUIT (2-#12 + #12 GND IN 3/4" C) EQUIPMENT RACK POWER SUPPLY (UPS - EM POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING CRITICAL EMERGENCY PANELBOARD 'E9AA'. CIRCUIT (2-#12 + #12 GND IN 3/4" C) EQUIPMENT RACK POWER SUPPLY (UPS - NORMAL POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING PANELBOARD '9AB'.
- INSTALL MATV SYSTEM HEAD-END EQUIPMENT RACK #3 AND PROVIDE ASSOCIATED HEAD-END COMPONENTS. CIRCUIT (2-#12 + #12 GND IN 3/4" C) EQUIPMENT RACK POWER SUPPLY (UPS - EM POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING CRITICAL EMERGENCY PANELBOARD 'E9AA'. CIRCUIT (2-#12 + #12 GND IN 3/4" C) EQUIPMENT RACK POWER SUPPLY (UPS - NORMAL POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING PANELBOARD '9AB'.
- REINSTALL EXISTING CARD READER. REFER TO ELECTRONIC PHYSICAL ACCESS CONTROL SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION.
- REMOVE EXISTING FAN COIL UNIT ASSOCIATED CIRCUITRY.
- REMOVE EXISTING EXHAUST FAN ASSOCIATED CIRCUITRY.



NINTH FLOOR KEY PLAN  
SCALE: NONE  
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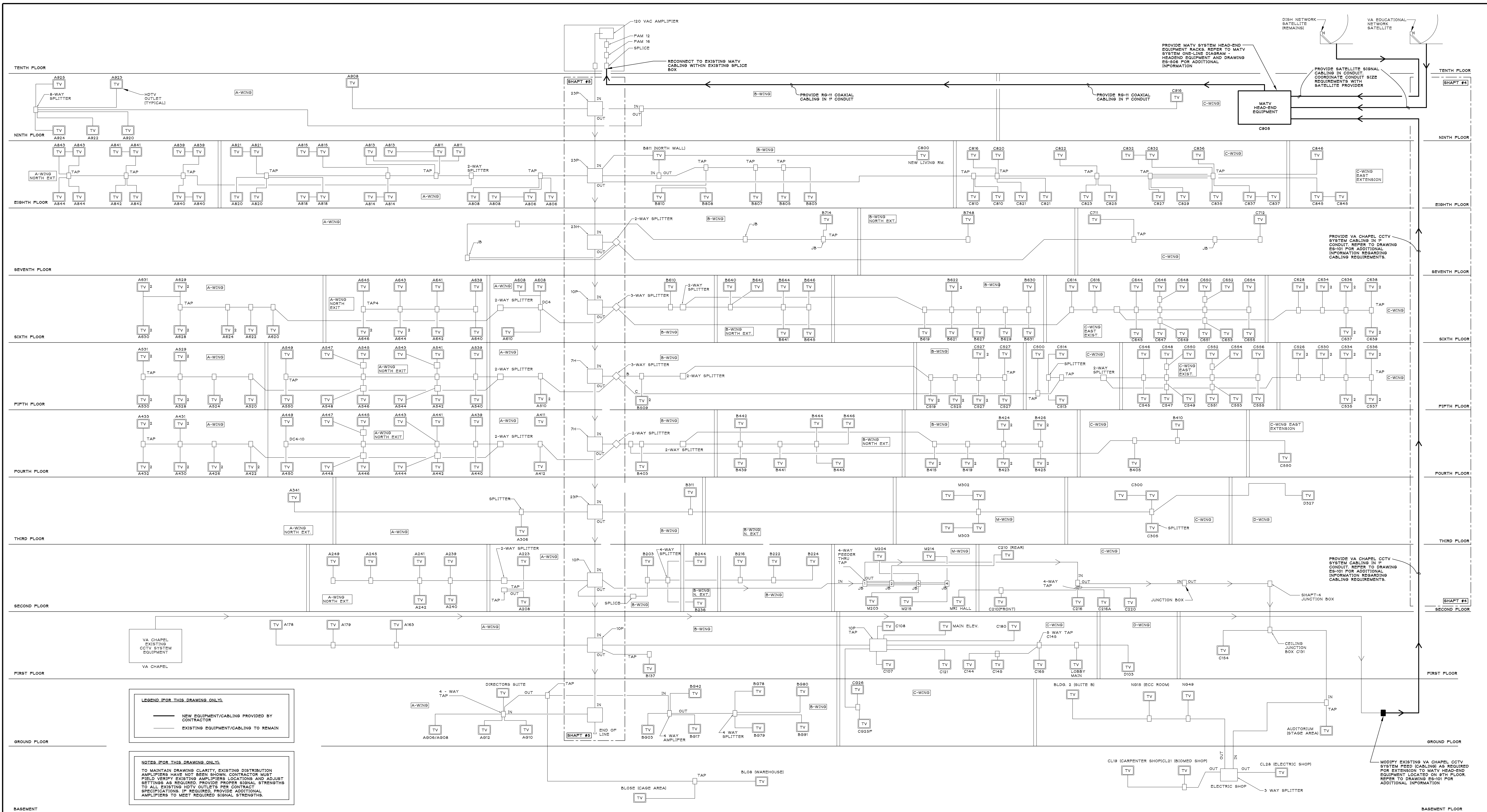


1  
ES-501

# EXISTING MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1

SCALE: NTS

		<b>CONSULTANTS:</b>		<b>ARCHITECT/ENGINEERS:</b>	<div><b>IPD: Engineering</b> INTEGRATED PROJECT DELIVERY ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185  IPD PROJECT No: 12-7260-8</div>	<div> <i>Samuel J. Coccaminone</i> Approved: Project Director</div>	<div>Drawing Title</div> <div>EXISTING MATV SYSTEM ONE-LINE DIAGRAM - DEMOLITION</div>	<div>Project Title</div> <div>RELOCATE AND UPGRADE MATV HEADEND</div>	<div>Project Number</div> <div>528A7-11-707</div>	<div></div>
							<div>Building Number</div> <div>1</div>	<div>Drawing Number</div> <div>ES-501</div>		
<div>Revisions:</div>	<div>Date</div>						<div>Date</div> <div>11/08/2012</div>	<div>Checked</div> <div>SBG</div>	<div>Drawn</div> <div>CAL</div>	<div>DWG 9 OF 14</div>



1  
ES-502

# MATV SYSTEM ONE-LINE DIAGRAM - BUILDING 1

SCALE: NTS

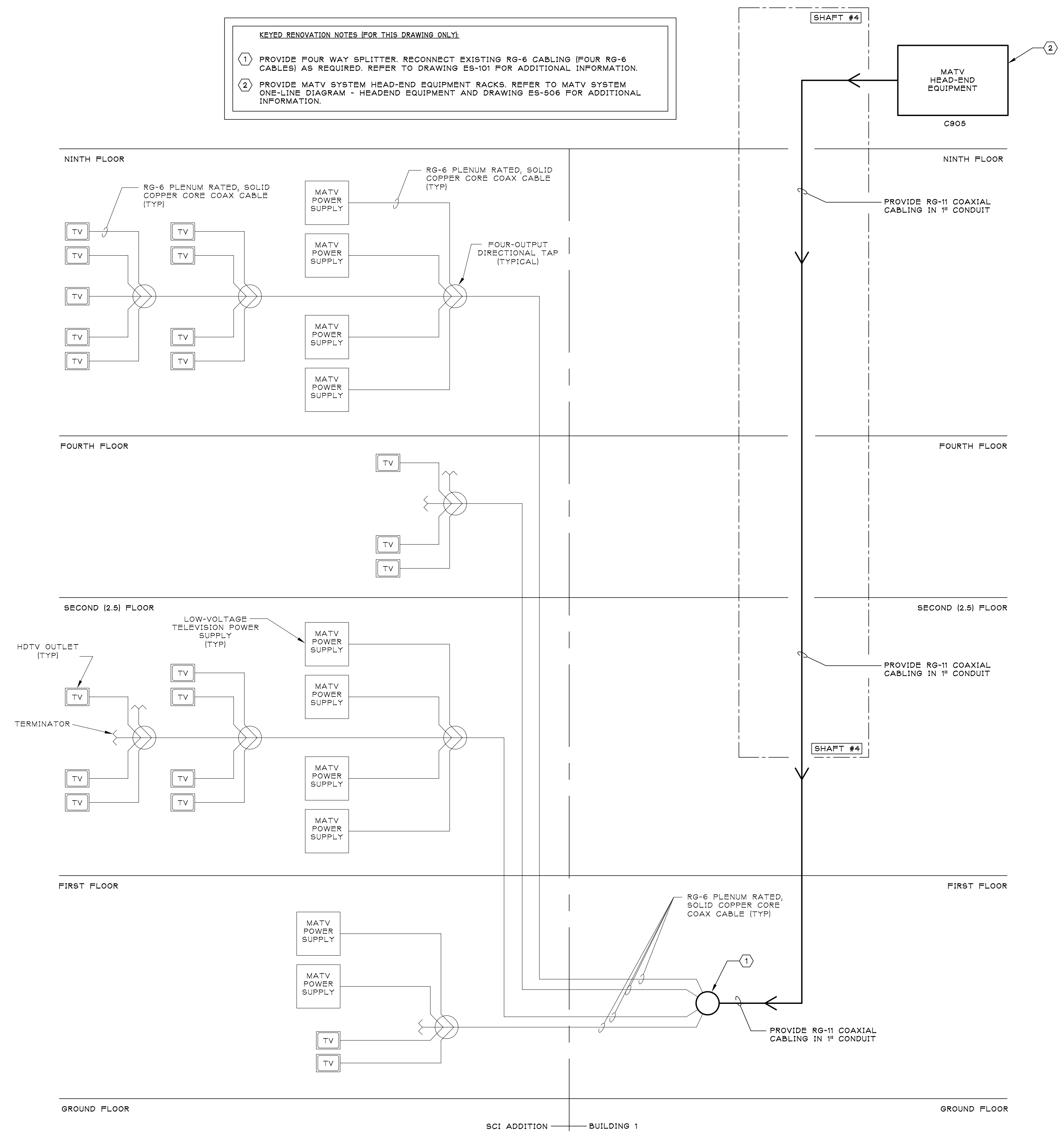
		<b>CONSULTANTS:</b>		<b>ARCHITECT/ENGINEERS:</b>		<div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div><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KEYED RENOVATION NOTES (FOR THIS DRAWING ONLY):

① PROVIDE FOUR WAY SPLITTER, RECONNECT EXISTING RG-6 CABLES (FOUR RG-6 CABLES) AS REQUIRED. REFER TO DRAWING ES-101 FOR ADDITIONAL INFORMATION.

② PROVIDE MATV SYSTEM HEAD-END EQUIPMENT RACKS. REFER TO MATV SYSTEM ONE-LINE DIAGRAM - HEADEND EQUIPMENT AND DRAWING ES-506 FOR ADDITIONAL INFORMATION.



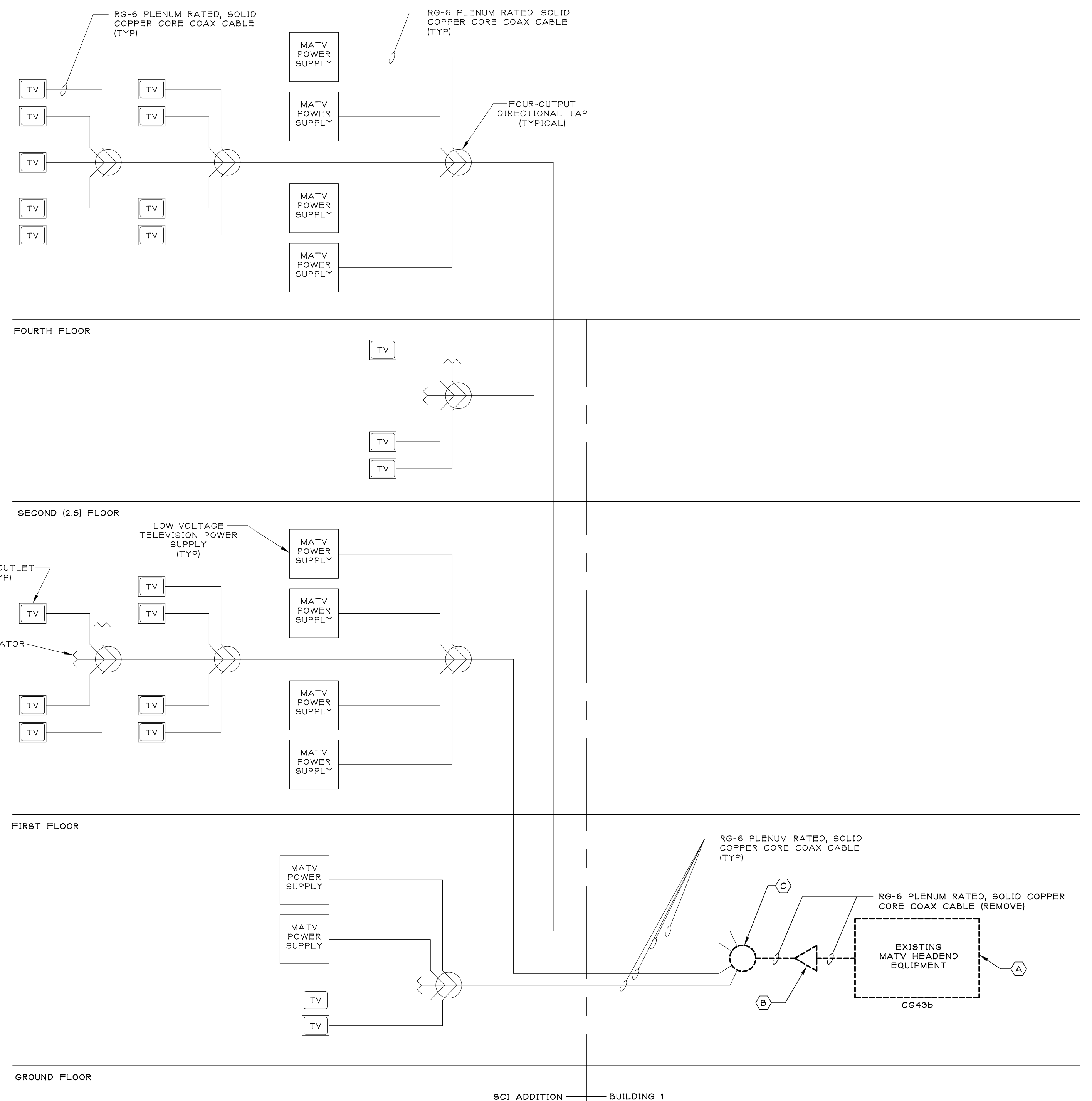
2  
ES-503

**MATV SYSTEM ONE-LINE DIAGRAM -  
SCI BUILDING (RENOVATION)**

SCALE: NTS

NOTES (FOR THIS DRAWING ONLY):

TO MAINTAIN DRAWING CLARITY, EXISTING DISTRIBUTION AMPLIFIERS HAVE NOT BEEN SHOWN. CONTRACTOR MUST FIELD VERIFY EXISTING AMPLIFIERS LOCATIONS AND ADJUST SETTINGS AS REQUIRED. PROVIDE PROPER SIGNAL STRENGTHS TO ALL EXISTING HDTV OUTLETS PER CONTRACT SPECIFICATIONS. IF REQUIRED, PROVIDE ADDITIONAL AMPLIFIERS TO MEET REQUIRED SIGNAL STRENGTHS.



1  
ES-503

**EXISTING MATV SYSTEM ONE-LINE DIAGRAM -  
SCI BUILDING (DEMOLITION)**

SCALE: NTS

LEGEND (FOR THIS DRAWING ONLY):

----- REMOVE EXISTING EQUIPMENT/CABLING

———— NEW EQUIPMENT/CABLING PROVIDED BY CONTRACTOR

———— EXISTING EQUIPMENT/CABLING TO REMAIN

KEYED DEMOLITION NOTES (FOR THIS DRAWING ONLY):

(A) REMOVE EXISTING MATV SYSTEM EQUIPMENT RACKS (#1, #2, #3, #4, & #5). REFER TO DRAWING ES-101 FOR ADDITIONAL INFORMATION.

(B) REMOVE EXISTING BROADBAND DISTRIBUTION AMPLIFIER.

(C) REMOVE EXISTING FOUR-WAY SPLITTER. EXISTING RG-6 CABLES FROM SPLITTER TO SCI ADDITION REMAINS FOR REUSE. PREPARE EXISTING CABLING FOR RECONNECTION TO NEW FOUR-WAY SPLITTER.

Revisions:	Date

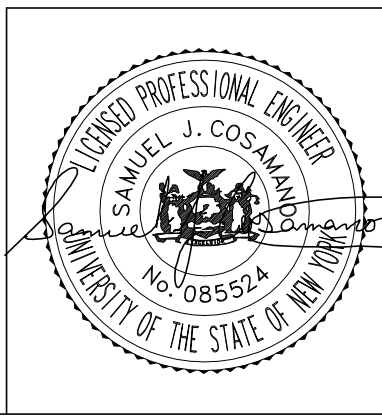
**CONSULTANTS:**

**ARCHITECT/ENGINEERS:**

**IPD: Engineering**  
INTEGRATED PROJECT DELIVERY

ONE WEBSTER'S LANDING  
SYRACUSE, NEW YORK 13202  
315.423.0185

IPD PROJECT No: 12-7260-8



Drawing Title

**SCI BUILDING MATV SYSTEM  
ONE-LINE DIAGRAMS**

Approved: Project Director

Project Title

**RELOCATE AND UPGRADE  
MATV HEADEND**

Location

**SYRACUSE VAMC**

Date: 11/08/2012

Checked: SBG

Drawn: CAL

Project Number

**528A7-11-707**

Building Number

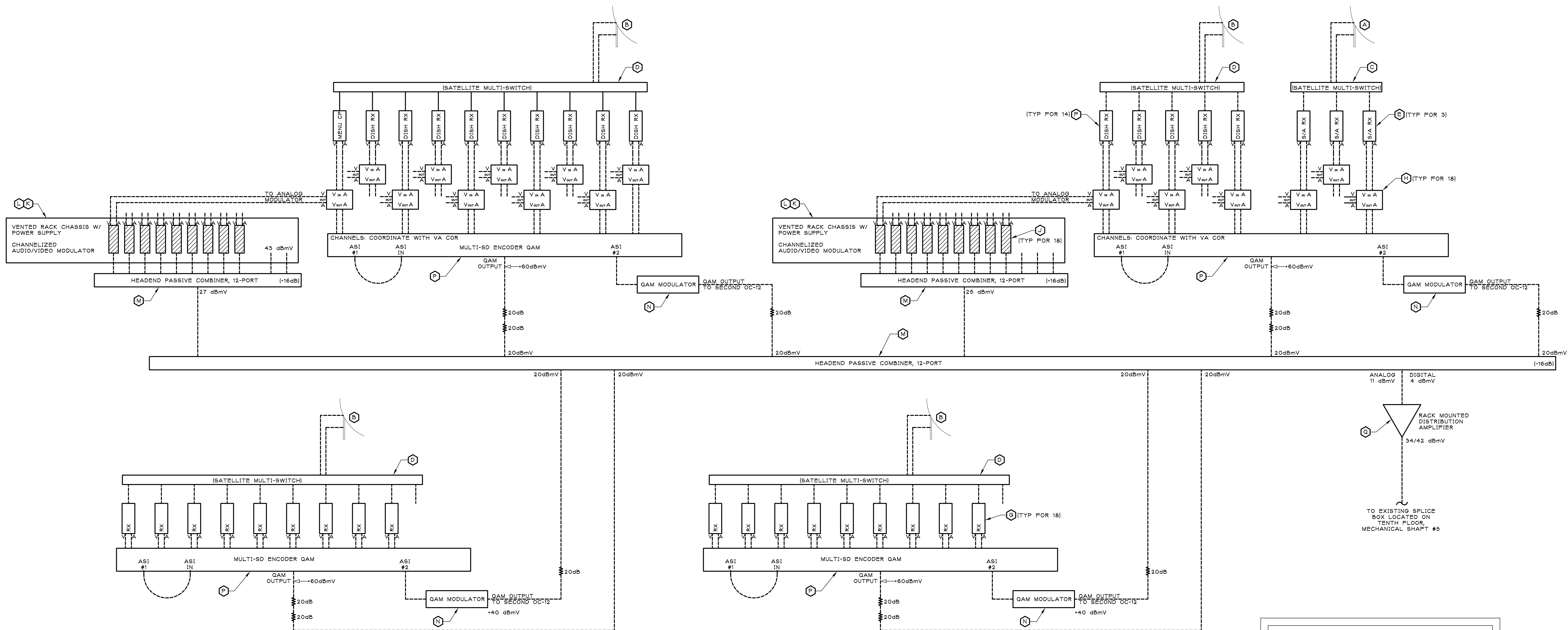
**1**

Drawing Number

**ES-503**

DWG 11 OF 14





1  
ES-504  
SCALE: NTS  
**MATV SYSTEM ONE-LINE DIAGRAM - HEADEND EQUIPMENT**

LEGEND (FOR THIS DRAWING ONLY):

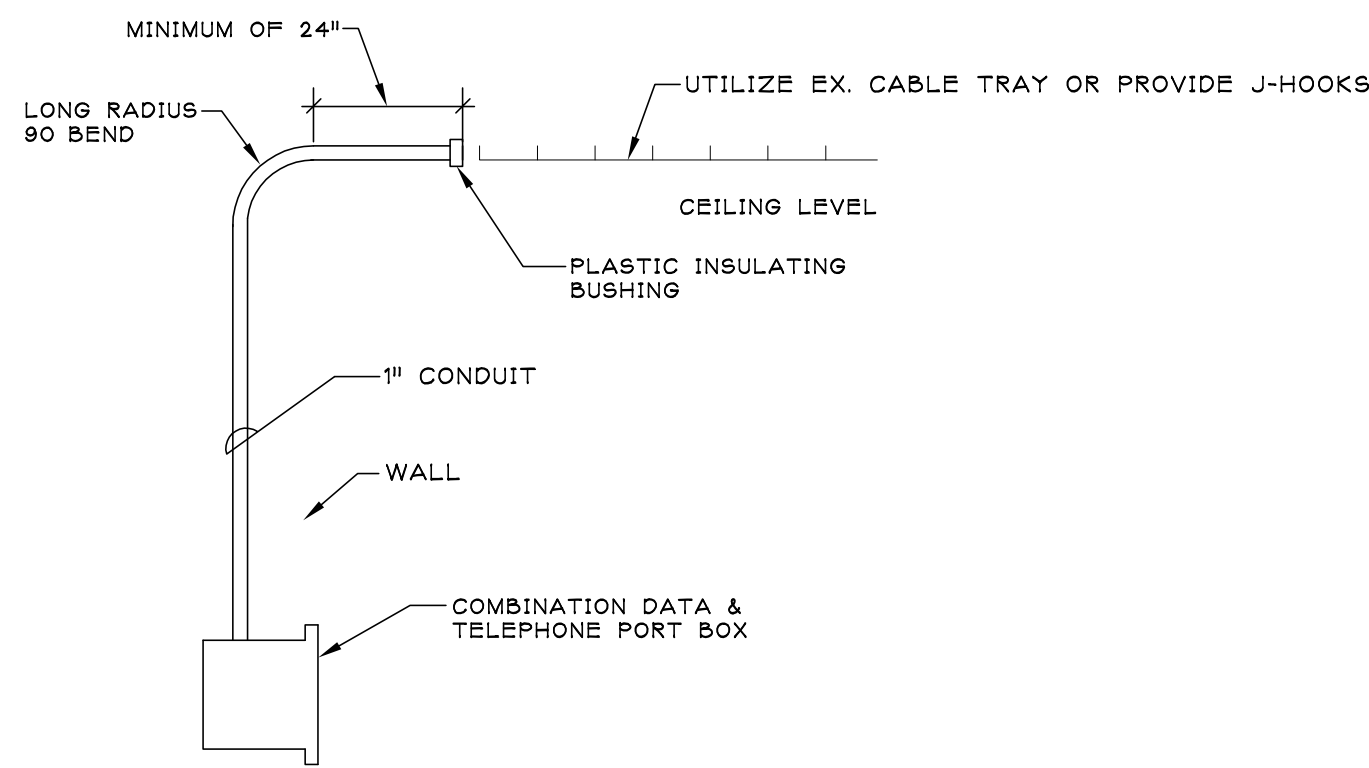
- CABLING PROVIDED BY CONTRACTOR
- EQUIPMENT PROVIDED BY THE CONTRACTOR
- EXISTING EQUIPMENT/CABLING TO REMAIN
- LETTER MATV EQUIPMENT DESIGNATION  
REFER TO MATV EQUIPMENT SCHEDULE ON  
DRAWING ES-506 FOR INFORMATION

GENERAL NOTES:

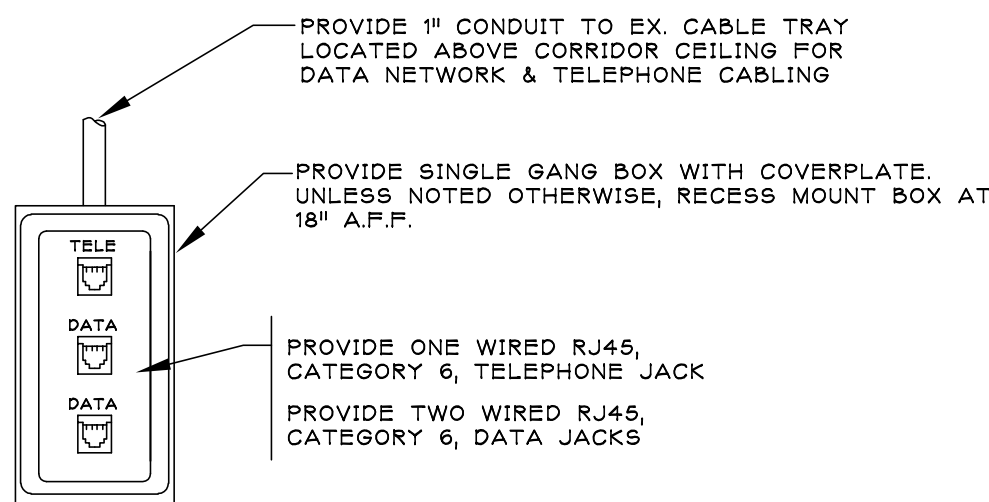
- A. VERIFY AND COORDINATE EQUIPMENT LOCATIONS AND QUANTITIES WITH CONTRACT DOCUMENTS INCLUDING FLOOR PLANS AND DETAILS.
- B. MATV SYSTEM EQUIPMENT AND ASSOCIATED CABLING SHALL BE INSTALLED PER EQUIPMENT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
- C. PROVIDE EARTH GROUNDING FOR MATV SYSTEM RACKS PER SPECIFICATIONS, DRAWINGS AND IN ACCORDANCE WITH MATV SYSTEM MANUFACTURER'S RECOMMENDATIONS.
- D. TO MAINTAIN DRAWING CLARITY, NOT ALL MATV SYSTEM EQUIPMENT HAS BEEN SHOWN ON FLOOR PLANS OR DIAGRAMS. REFER TO MATV SYSTEM EQUIPMENT SCHEDULE FOR ADDITIONAL EQUIPMENT REQUIREMENTS.
- E. REFER TO DRAWING ES-001 FOR INFORMATION REGARDING DISH NETWORK SATELLITE AND VA EDUCATIONAL NETWORK SATELLITE SYSTEMS.
- F. PROVIDE ALL COMPONENTS, BOXES, RACEWAYS, WIRING, ETC. FOR MATV SYSTEM, NECESSARY TO PROVIDE A PROPERLY FUNCTIONING DIGITAL/ANALOG MATV SYSTEM WHETHER OR NOT LISTED ON DRAWINGS OR IN SPECIFICATIONS.
- G. dBmV LEVELS SHOWN ON THIS DRAWING ARE FOR INFORMATIONAL PURPOSES ONLY. dBmV LEVELS MUST BE COORDINATED WITH EQUIPMENT MANUFACTURER PRIOR TO COMMENCING WORK.
- H. ALL WORK ASSOCIATED WITH MATV SYSTEM SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF MATV SYSTEM MANUFACTURER REPRESENTATIVE.

Revisions:	CONSULTANTS:	ARCHITECT/ENGINEERS:  <b>IPD: Engineering</b> INTEGRATED PROJECT DELIVERY ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185 IPD PROJECT No: 12-7260-8	Drawing Title <b>MATV SYSTEM ONE-LINE DIAGRAM - HEADEND</b>  Approved: Project Director	Project Title <b>RELOCATE AND UPGRADE MATV HEADEND</b>  Location <b>SYRACUSE VAMC</b>  Date <b>11/08/2012</b>	Project Number <b>528A7-11-707</b> Building Number <b>1</b> Drawing Number <b>ES-504</b> DWG 12 OF 14	
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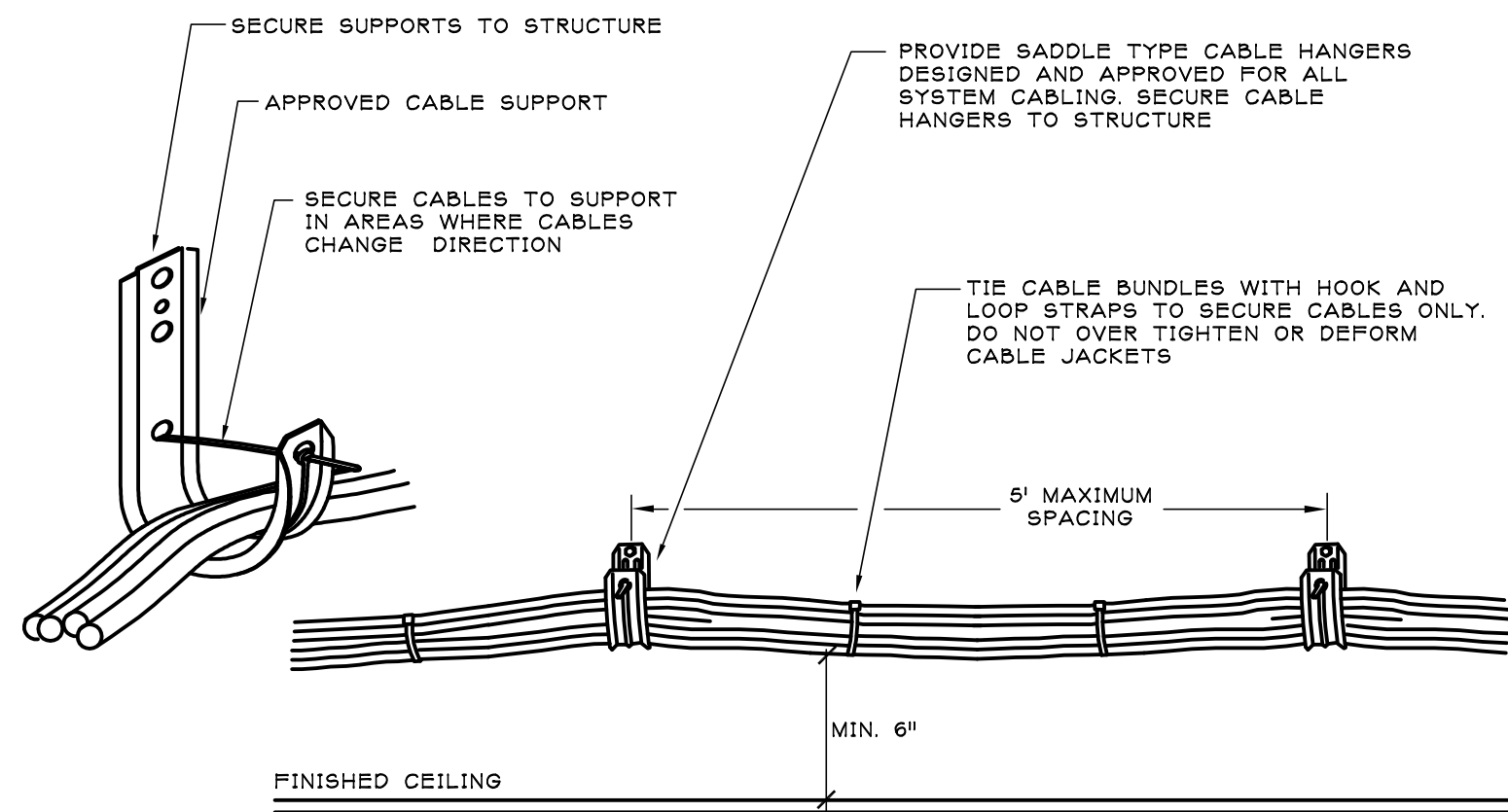




TYPICAL COMBINATION DATA & TELEPHONE PORT CONDUIT DETAIL  
SCALE: NONE



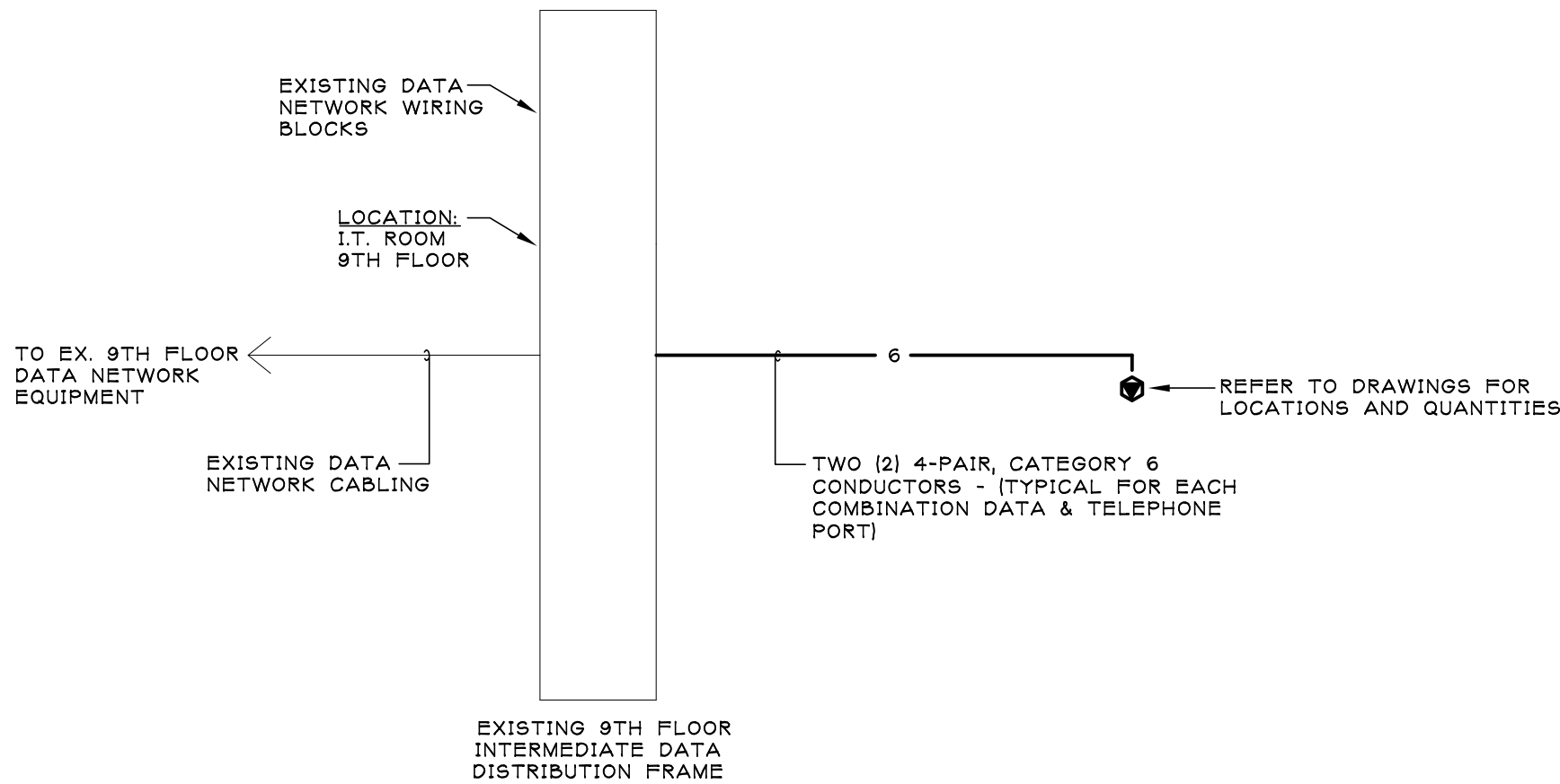
TYPICAL COMBINATION DATA & TELEPHONE PORT DETAIL  
SCALE: NONE



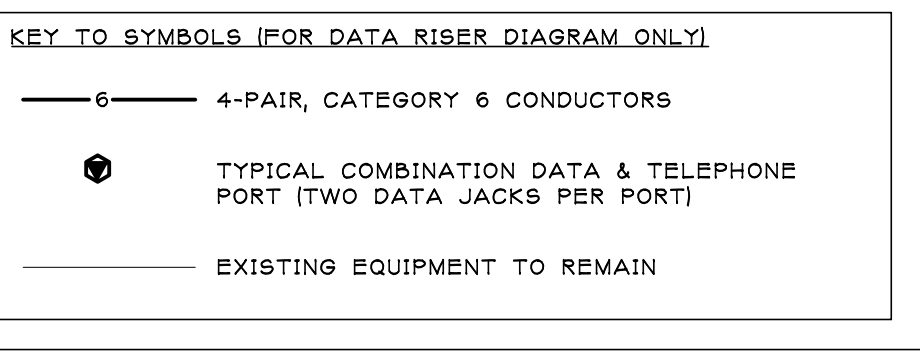
TYPICAL J-HOOK INSTALLATION DETAIL  
SCALE: NONE

GENERAL NOTES (FOR TYPICAL J-HOOK INSTALLATION DETAIL ONLY):

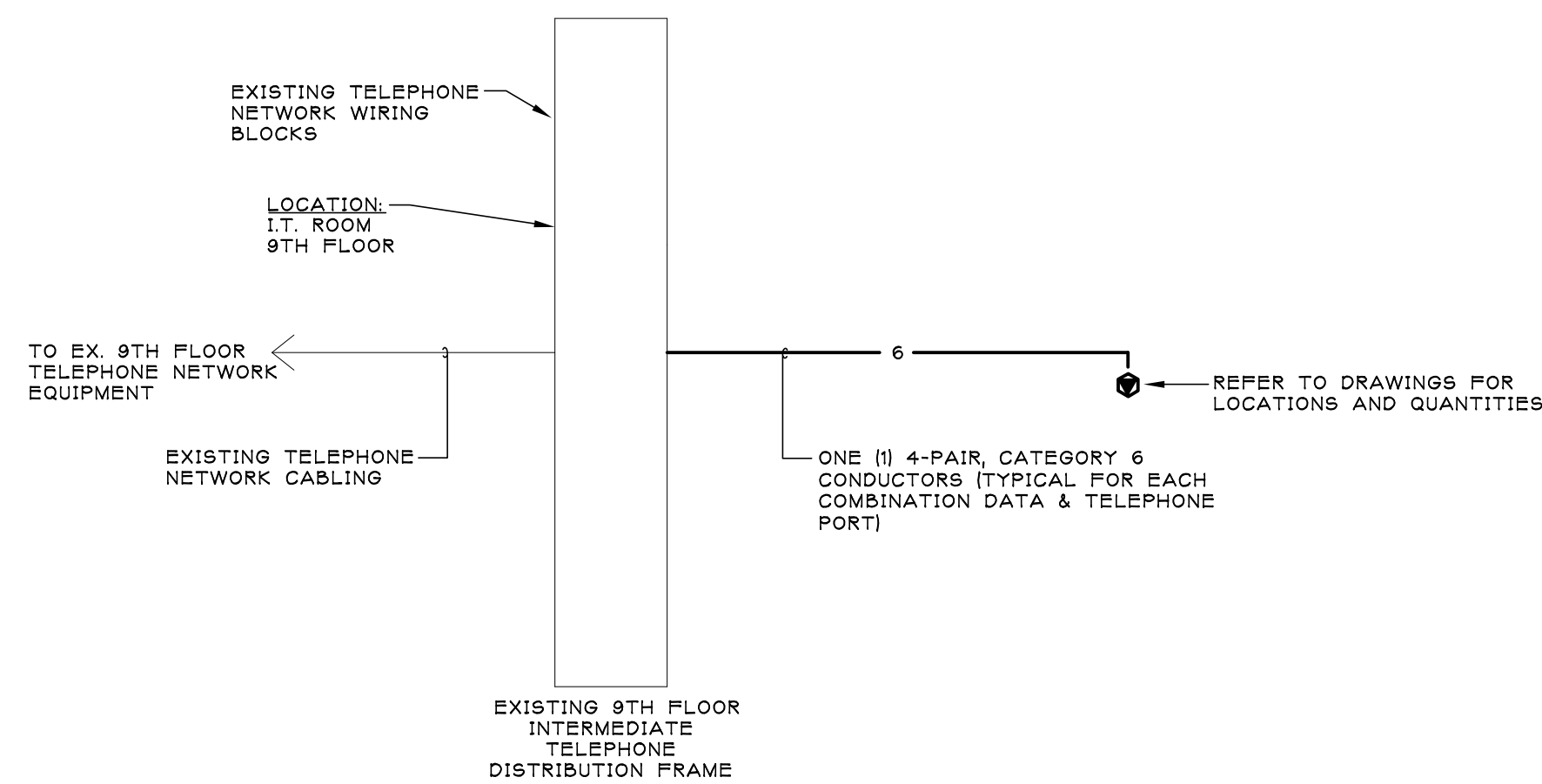
- LOCATE CABLE BUNDLES A MINIMUM OF 6" ABOVE ACCESSIBLE CEILINGS TO MAINTAIN CLEARANCE ALONG WALLS WHERE POSSIBLE. LOCATE IN AREAS THAT ARE ACCESSIBLE.
- USE 2 OR MORE CABLE HANGERS AT ALL TURNS TO MAINTAIN MANUFACTURER'S BEND RADIUS REQUIREMENTS.
- REFER TO SPECIFICATIONS FOR ADDITIONAL CABLE INSTALLATION REQUIREMENTS.



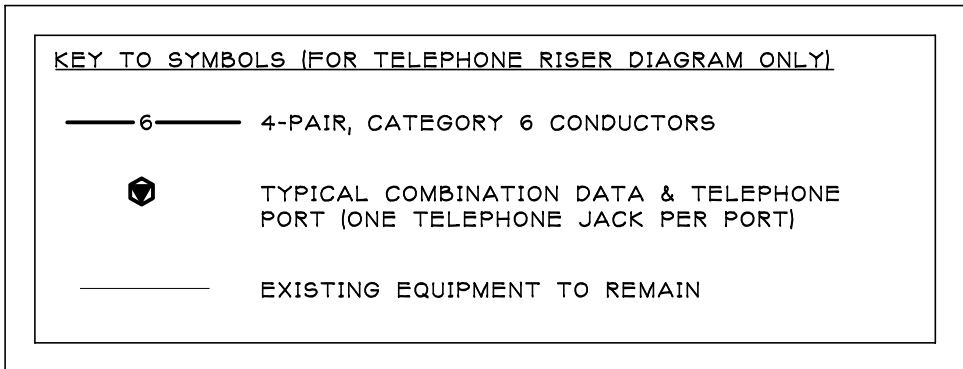
DATA RISER DIAGRAM  
SCALE: NONE



- DATA SYSTEM SCOPE OF WORK
- PRIOR TO COMMENCING WORK, COORDINATE WITH VA TELECOMMUNICATION PERSONNEL.
  - PROVIDE GROUNDING AS REQUIRED.
  - PROVIDE RACEWAYS, BOXES, J-HOOKS, ETC. AS REQUIRED.
  - PROVIDE 4-PAIR, CATEGORY 6 CONDUCTORS TO DATA JACKS AS INDICATED.
  - PROVIDE COMBINATION DATA & TELEPHONE PORTS (DATA JACKS) AS INDICATED.
  - PROVIDE TERMINATIONS, TESTING AND LABELING IN COMPLIANCE WITH VA TELECOMMUNICATION STANDARDS.



TELEPHONE RISER DIAGRAM  
SCALE: NONE

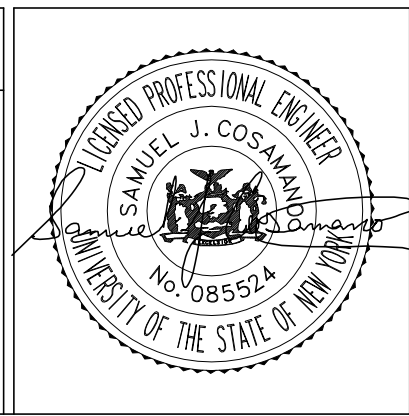


- TELEPHONE SYSTEM SCOPE OF WORK
- PRIOR TO COMMENCING WORK, COORDINATE WITH VA TELECOMMUNICATION PERSONNEL.
  - PROVIDE GROUNDING AS REQUIRED.
  - PROVIDE RACEWAYS, BOXES, J-HOOKS, ETC. AS REQUIRED.
  - PROVIDE 4-PAIR, CATEGORY 6 CONDUCTORS TO TELEPHONE JACKS AS INDICATED.
  - PROVIDE COMBINATION DATA & TELEPHONE PORTS (TELEPHONE JACKS) AS INDICATED.
  - PROVIDE TERMINATIONS, TESTING AND LABELING IN COMPLIANCE WITH VA TELECOMMUNICATION STANDARDS.

Revisions:	Date

CONSULTANTS:

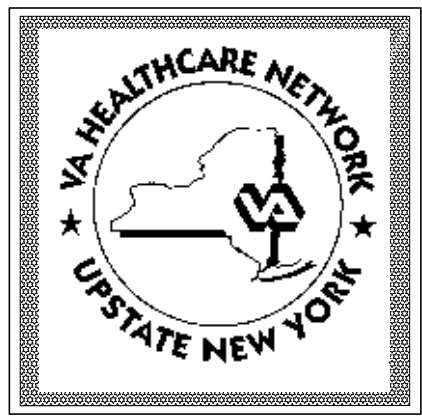
ARCHITECT/ENGINEERS:
<b>IPD: Engineering</b> INTEGRATED PROJECT DELIVERY ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185 IPD PROJECT No: 12-7260-8



Drawing Title
ELECTRICAL DETAILS & DIAGRAMS
Approved: Project Director

Project Title
RELOCATE AND UPGRADE MATV HEADEND
Location
SYRACUSE VAMC
Date
11/08/2012
Checked
SBG
Drawn
CAL

Project Number
528A7-11-707
Building Number
1
Drawing Number
ES-505
DWG 13 OF 14



ELECTRICAL EQUIPMENT & CONTROL SCHEDULE																			
EQUIPMENT					SUPPLY							CONTROL DEVICE(S)							
DESIGNATION #	DESCRIPTION	ROOM LOCATION	SIZE	VOLTAGE/PHASE	PANEL OR CONTROL CENTER	CIRCUIT NUMBER	CIRCUIT BREAKER	POWER WIRING FROM PANEL TO CONTROL DEVICE		POWER WIRING FROM CONTROL DEVICE TO EQUIPMENT	GROUND WIRE (SIZE PER NEC)	CONTROLLER DEVICE TYPE REQUIRED & LOCATIONS							
								WIRE	CONDUIT	WIRE	CONDUIT	PACKAGED CONTROL UNIT	VARIABLE FREQUENCY DRIVE	COMBINATION MAGNETIC STARTER	MAGNETIC STARTER	MANUAL MOTOR STARTER	DISCONNECT SWITCH (NON-FUSED)	DISCONNECT SWITCH (FUSED)	REFERENCE NOTES (SEE BELOW)
1	FAN COIL UNIT FCU-1	RM C805	6.97 MCA	120/1	EX. E8AA	-	20A/1P	2-#12	3/4"	2-#12	3/4"	#12				X			-

GENERAL NOTES (FOR ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ONLY):

A. DESIGNATION NUMBER IS USED TO IDENTIFY EQUIPMENT & ASSOCIATED CONTROL DEVICES.

B. VERIFY ALL MOTOR SIZES BEFORE ORDERING ANY CONTROL DEVICES.

C. ALL CONTROL DEVICES ARE PROVIDED BY CONTRACTOR UNLESS OTHERWISE NOTED.


D. VERIFY FEEDER SIZES FOR VOLTAGE DROP IN ACCORDANCE WITH NEC REQUIREMENTS BASED ON ACTUAL ROUTING DISTANCES IN FIELD. INCREASE WIRE AND CONDUIT SIZE AS REQUIRED.

MATV SYSTEM EQUIPMENT SCHEDULE					
SYMBOL	DESCRIPTION	MOUNTING	DESIGN BASIS	ACCEPT. MFR'S	REMARKS
A	EXISTING VA EDUCATIONAL NETWORK SATELLITE	MECHANICAL SHAFT #4 ROOF [EXISTING]	-	-	REFER TO VA EDUCATIONAL NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
B	EXISTING DISH NETWORK SATELLITE	MECHANICAL SHAFT #4 ROOF [EXISTING]	-	-	REFER TO DISH NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
C	VA EDUCATIONAL NETWORK SATELLITE SWITCH	EQUIPMENT RACK #1	-	UTILIZE EXISTING	REFER TO VA EDUCATIONAL NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
D	DISH NETWORK SATELLITE SWITCH	EQUIPMENT RACK #1	-	UTILIZE EXISTING	REFER TO DISH NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
E	VA EDUCATIONAL NETWORK DIGITAL SATELLITE RECEIVER	EQUIPMENT RACK #1	SCIENTIFIC ATLANTICA POWER VU	UTILIZE EXISTING	REFER TO VA EDUCATIONAL NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
F	DISH NETWORK DIGITAL SATELLITE RECEIVER	EQUIPMENT RACK #1	DISH NETWORK	UTILIZE EXISTING	REFER TO DISH NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
G	FUTURE DIGITAL SATELLITE RECEIVER	EQUIPMENT RACK #2	-	-	PROVIDE RACK SPACE IN EQUIPMENT RACK #2 FOR MINIMUM OF 18 FUTURE DIGITAL SATELLITE RECEIVERS
H	A/V AMPLIFIER SPLITTER	EQUIPMENT RACK #1	BLONDER TONGUE	ENGINEER APPROVED EQUAL	PROVIDE A/V AMPLIFIER SPLITTER IN ACCORDANCE WITH MATV SYSTEM MANUFACTURERS WRITTEN RECOMMENDATIONS
J	CHANNELIZED AUDIO/VIDEO MODULATOR	EQUIPMENT RACK #1	BLONDER TONGUE MICM-45C	ENGINEER APPROVED EQUAL	PROVIDE POWER SUPPLY AND CHASSIS. REFER TO SYMBOL K & L IN THIS SCHEDULE
K	POWER SUPPLY	EQUIPMENT RACK #1	BLONDER TONGUE MIPS-12D	ENGINEER APPROVED EQUAL	-
L	VENTED RACK CHASSIS	EQUIPMENT RACK #1	BLONDER TONGUE MIRC-12V	ENGINEER APPROVED EQUAL	-
M	12-PORT HEADEND PASSIVE COMBINER	EQUIPMENT RACK #1	BLONDER TONGUE HCP-12	ENGINEER APPROVED EQUAL	-
N	QAM MODULATOR	EQUIPMENT RACKS #1 & #2	BLONDER TONGUE AQM	ENGINEER APPROVED EQUAL	PROVIDE POWER SUPPLY AND CHASSIS. REFER TO SYMBOL K & L IN THIS SCHEDULE
P	MULTI-SD ENCODER QAM	EQUIPMENT RACKS #1 & #2	BLONDER TONGUE SD10E-QAM	ENGINEER APPROVED EQUAL	-
Q	RACK MOUNTED DISTRIBUTION AMPLIFIER	EQUIPMENT RACK #1	BLONDER TONGUE RMCA 550-30	ENGINEER APPROVED EQUAL	-

- IN ADDITION TO THE EQUIPMENT LISTED ABOVE, PROVIDE THE FOLLOWING ADDITIONAL EQUIPMENT FOR MATV SYSTEM (OR ENGINEER APPROVED EQUALS):
- FIXED ATTENUATORS (BLONDER TONGUE PART #: FAM) - PROVIDE QUANTITIES AS REQUIRED.
  - UNIVERSAL SATELLITE RECEIVER RACK (BLONDER TONGUE PART #: RR-6/BRX) - PROVIDE QUANTITIES AS REQUIRED.
  - TWO (2) EQUIPMENT RACKS, BLACK, FOUR POST (BLONDER TONGUE PART #:RR-8418-4)
  - UNINTERRUPTIBLE POWER SUPPLIES - REFER TO SPECIFICATION SECTION 27 41 31 FOR UPS REQUIREMENTS.

MATV EQUIPMENT RACK #3 NOTES:

- A. THE FOLLOWING EXISTING MATV SYSTEM HEADEND EQUIPMENT EQUIPMENT SHALL REINSTALLED INTO EQUIPMENT RACK #3: ONE (1) CISCO SERVER, ONE (1) LANDSCAPE NETWORK SWITCH (SIECOR), ONE (1) ELIMINATION FILTER (PICO MACOM), ONE (1) FIXED CHANNEL MODULATOR (DRACOM), ONE (1) BROADCAST VIDEO SERVER (HEALING HEALTHCARE SYSTEM).
- B. PROVIDE NECESSARY EQUIPMENT, COMBINERS, WIRING, CONNECTORS, ETC. AS REQUIRED TO CONNECT RACK #3 EQUIPMENT TO EQUIPMENT RACK #1 OUTPUT SIGNAL.
- C. MATV EQUIPMENT RACK #3 WILL BE FURNISHED BY VA, AND INSTALLED BY CONTRACTOR. COORDINATE WITH VA COR.
- D. COORDINATE REINSTALLATION OF THE ABOVE EQUIPMENT WITH VA COR.

		CONSULTANTS:	ARCHITECT/ENGINEERS:  <b>IPD: Engineering</b> INTEGRATED PROJECT DELIVERY ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185  IPD PROJECT No: 12-7260-8		Drawing Title	Project Title	Project Number
					ELECTRICAL DETAILS & SCHEDULES	RELOCATE AND UPGRADE MATV HEADEND	528A7-11-707
					Approved: Project Director	Location	Building Number
						SYRACUSE VAMC	1
						Date	Drawing Number
						11/08/2012	ES-506
						Checked	DWG 14 OF 14
						SBG	
						Drawn	
						CAL	
Revisions:	Date						